

VISIT...

LANZAROTE
Caliente.COM

Erhaltungssammlung Notokakteen
PALMENGARTEN der Stadt FRANKFURT am Main

NOTOCACTUS

Teil A-3

GESAMTÜBERBLICK NOTOKAKTEEN (alphabetisch)

Aufbau: Untergattung/Gruppe - Art, Varietät, Form - Feldnummern

Untergattung	BC	BRASILICACTUS	(Auffassung des Autors)
	GC	GYMNOCEPHALUS	
	MC	MALACOCARPUS	
	NB	NOTOBRASILIA	
	NE	NEONOTOCACTUS	
	NO	NOTOCACTUS	
	U1	Übergangsarten zu Untergattung GC	
	U2	Übergangsarten zu Untergattung NE	
GATTUNG/ Untergattung	BP/bp	BRASILIPARODIA	(Zusätzliche Bezeichnungen)
	PA/pa	PARODIA	
	EO/eo	EONOTOCACTUS	
	PE/pe	PERONOCACTUS	
	RI/ri	RITTEROCACTUS	
	SC/sc	SCOPACACTUS	
	WI/wi	WIGGINSIA	
Pflanzengruppen :	CO	N.concinnus	(Auffassung des Autors)
	HE	N.herteri	
	MA	N.mammulosus	
	MI	N.minimus	
	MM	N.mueller-melchersii	
	OT	N.ottonis	
	SC	N.scopa	
	UE	N.uebelmannianus	
	WE	N.werdermannianus	

Synonyma sind in Klammern "()" aufgeführt

Bemerkung "OP" bedeutet "Offenes Problem"

Fettgeschriebener Pflanzename -> Pflanze beschrieben, Beschreibung gültig

Fettgeschriebene Feldnummer -> Typus-Feldnummer (aus der Erstbeschreibung)

Mai 2002

Autor : Dipl.-Ing. J. Neduchal

- (MC aciculatus SALM-DYCK 1834) -> orthacanthus
 MC **acutatus** (LINK & OTTO 1827) THEUNISSEN 1981 PR127
 (v. arechavaletae K. SCHUMANN ex SPEGAZZINI -> neoarechavaletae
 (v. depressus n.n.) -> tephacanthus v. depressus
 (v. erinaceus SPEGAZZINI 1905) -> erinaceus
 (v. prolifer n.n.) -> langsdorfii f. prolifer
 (GC acutangularis n.n. FR1266c; HU180) -> ottonis v. acutangularis
 (acutangularis PR221) -> glaucinus v. depressus
 (acutangularis PR519) -> laetivirens f. densispinus
 (MC acutangulus n.n.) -> erinaceus f. corynodes
 (MC acutatus LINK & OTTO 1890) -> acutatus OP
 (GC acutus F. RITTER 1979 - FR1377; FS92; Gf231,232,359; PR218; HU57; WRA519)
 -> oxycostatus f. acutus
 (Var./form HU175a) -> oxycostatus f. acutus subf.
 (v. cadeiaensis/cadeaensis n.n. FS40; PR217) -> cadeiaensis
 (v. lourencoensis/lourencoensis n.n. Gf344; HU175; FS106; PR216)
 -> oxycostatus f. acutus
 (acutus v. RWB167) -> oxycostatus f. acutus subf.
 (MC acutus n.n. HU819) -> erinaceus
 (GC adustus n.n. R363) -> soldtianus
 GC/CO **agnetae** VAN VLIET 1975 **DV8** - AH166; H76; HU1352,1460; KPR56/S195; PR91; WRA158
 (agnetae DV109) -> DV/OP
 (agnetae Var./form DV109/a) -> DV/OP
 (agnetae R347) -> caespitosus
 v. **aureispinus** VAN VLIET 1975 **DV8/a** - WRA29
 v. **minor** VAN VLIET 1975 **DV8/b**
 (v. zapicanensis n.n. PR91) -> agnetae
 NB **alacriportanus** (BACKEBERG & VOLL 1949) BUXBAUM 1967 DV121; FR1477; Gf669;
 FS33; AH385; HU44,1582; PR262,756,764,879; RWB5; WRA554
 Var./form: PR268,757; HU46
 f. alacriportanus PR879 PRESTLE 1996 nom. inval.
 (v. brevisetus HU71 n.n.) -> brevihamatus
 (v. cambarensis n.n. HU42) -> buenekeri
 (c. capelloensis n.n. HU47) -> buenekeri
 (v. fortalezensis n.n. HU46) -> alacriportanus f.
 f. hamatacanthus PR764 PRESTLE 1996 nom. inval.
 (v. parvisetus n.n. HU71) -> brevihamatus
 (PA alacriportana BACKEBERG & VOLL, nach BRANDT 1982) -> alacriportanus
 (BC alacriportanus DOWELD 1999) -> alacriportanus
 (BC alacriportanus /BACKEBERG & VOLL 1949/ DOWELD 2000) -> alacriportanus
 (BP alacriportana (BACKEBERG & VOLL 1949) F. RITTER 1979) -> alacriportanus
 (BP alacriportana v. breviseta HU71 n.n.) -> brevihamatus
 (PA alacriportana ssp. alacriportana CITES 1999) -> alacriportanus
 (PA alacriportana ssp. brevihamata / (W. HAAGE ex BACKEBERG 1956) BUXBAUM 1967/
 HOFACKER & P. J. BRAUN 1988) -> brevihamatus
 (PA alacriportana ssp. buenekeri / (BUINING 1962) F. BUXBAUM 1966/ HOFACKER &
 P. J. BRAUN 1988) -> buenekeri
 (PA alacriportana ssp. catarinensis / (F. RITTER 1979) THEUNISSEN 1981/
 HOFACKER & P. J. BRAUN 1988) -> catarinensis
 NE/MA alamoensis n.n. PR235
 (MC alamoensis n.n. PR279) -> sellowii v. rubricostatus
 (MC albiflorus/albifloridus n.n. PR120) -> nivosus v. albiflorus
 (NO algarabianus n.n. DV2; FS266) -> allosiphon
 GC/OT alegretensis n.n. Gf147,269; HU84
 U1 **allosiphon** MARCHESI 1972 FS266,320,339; Gf298,917; H13; HU1050,1051,1208;
 LB778,781,788; KPR57; R372a; RWB474; WRA200,207,463,464
 v. albiareolatus n.n. S204
 v. pulchellus n.n. PR234
 (PA allosiphon /MARCHESI 1972/ N. P. TAYLOR 1987) -> allosiphon
 (RI allosiphon DOWELD 1999) -> allosiphon
 (RI allosiphon /MARCHESI 1972/ DOWELD 2000) -> allosiphon
 (GC amiguetii n.n. - fa. Uhlig) -> concinnus v. gibberulus

- (NO ampliocostatus) -> schumannianus f.ampliocostatus
 (NO ampliocostatus /F.RITTER 1979/ THEUNISSEN 1981 FR1247,1247a,1247b - AA4; HU307; KZ147a; LB109; M43) -> schumannianus f.ampliocostatus
 (PA ampliocostata /RITTER/ BRANDT 1982) -> schumannianus f.ampliocostatus
 (NO ampliocostatus FR1182) -> schumannianus
 (GC apricus (ARECHAVALETA 1905) BERGER ex BACKEBERG 1935 HU295; KZ159; R347; PR90) -> caespitosus
 (apricus PR103) -> NO-spec.
 (Var./form S195) -> agnetae
 (Var./form KZ356; PR90) -> concinnus v./f.
 (v.brevispinus n.n.) -> nom.dub.
 (v.bruneispinus n.n.) -> blaauwianus
 (v.durispinus n.n. - Schlosser) -> concinnus
 (v.fimbriatiflorus n.n. DV9/f) -> concinnus f.fimbriatiflorus
 (v.flavispinus n.n. - ex Janousek 1982) -> nom.dub.
 (v.grandiflorus n.n. R356) -> minimus v.tenuicylindricus
 (v.multicostatus n.n. R360) -> multicostatus
 (v.muricatus n.n.) -> muricatus
 (v.muricatus - Y.ITO) -> bommeljei
 (v.nigrispinus - Y.ITO) -> concinnus v.nigrispinus
 (v.tabularis - Y.ITO) -> tabularis
 (v.Villa Serrana KPR56/S195) -> agnetae
 GC/OT arabuta n.n. PR538,542,567,798



N.congregatus n.n. PR110

CZ 112

- GC/UE **arachnitis** F.RITTER 1970 **FR1395** - AH29,32,95; FS94,192; Gf31,365,532; WG100,245; HU9; LB908; MGH33,37; RWB314; WRA549
 Var./form: PR320,350; Gf551; MGH156; DV107
 (v.darilhoensis n.n. FS250; Gf186,246,390,395,637; MGH190; PR354) -> arachnitis
 v.minor f.darilhoensis
 v.**minor** F.RITTER 1970 **FR1395a** - FS35,154,173,242,248,6,242,248, 634,799,941; Gf12,23,42,542,641; MGH130,193; AH7,193; AH79
 f.**darilhoensis** N.GERLOFF 1997 **GF186** - FS250; Gf246,390,395,637; MGH190; PR354
 f.parviflorus n.n. OP
 (v.parviflorus n.n. - ex Janousek 1982) -> arachnitis v.minor f.parviflorus
 (GC araneolarius REICHENBACH ex TERSCHECK 1843) -> ottonis
 (NE arapeyensis n.n. PR84) -> mammulosus v.arapeyensis
 (NE arbolitoensis n.n. HU284) -> mammulosus f.
 GC/OT **arechavaletae** (SPEGAZZINI 1905) HERTER 1955 FS144,361,415; Gf55,138,157,473, 475,705,827; WG16,119,239; HU416,498,674,784,1061,1130(663); LB610; MGH192b; RWB114; WRA54,55,58,59,60,65,69,95,166,196,288,323,365,406,523,524,531; KPR50,60; JP667

- Var./form: WRA101,121,123,138/5,359,379; Gf82,185,321; KZ127; KPR44,51; P389; PR803; FS19,319,314,398,40
- (arechavaletae Gf294) -> arechavaletae v.limiticola
 (arechavaletae MGH199,215b) -> arechavaletae v.alacriportanus
 (arechavaletae WRA51) -> ottonis
 (arechavaletae v.AH9,13) -> ottonis
 (arechavaletae v.WRA75) -> arechavaletae v.limiticola
 (arechavaletae v.PR1v.PR105) -> megapotamicus f.
 (arechavaletae v.PR303) -> glaucinus f.
- v.alacriportanus F.RITTER 1979 nom.inval. FR1027,1027a - DV79/30; AN379; FS152,272,340,372; Gf5,87,90b,179,242,251,657; HU27; MGH86,199,200,215b; PR214; WRA569
 (v.alacriportanus PR206) -> ottonis f.
- v.aureus F.RITTER 1979 **FR1396** - FS17; Gf9,651; HU10; MGH87,99; PR258a
 (v.aureus PR204) -> glaucinus
- v.buenekeri F.RITTER 1979 nom.inval. FR1027b
 (v.convexicostatus n.n. Gf138; HU1130) -> arechavaletae
 (v.cunapiruensis n.n. KPR50/S175) -> arechavaletae
 (v.grandicostatus n.n. KPR51/S176) -> arechavaletae f.
- v.horstii F.RITTER 1979 **FR1027c** - Gf531,780; AH66; HU1190
 (v.horstii PR205) -> NO-spec.
 (v.horstii PR206) -> ottonis f.
 (v.horridispinus n.n. PR115) -> horridispinus
- v.limiticola F.RITTER 1979 **FR1415** - AH123,125; FS356,410; Gf2944,299; H8; HU179,1318,1405; PR211; WRA75
 (v.maldonadensis - Schlosser) -> ottonis f.
 (v.maldonadensis n.n. R352) -> neoarech.v.maldonadensis
- v.nanus F.RITTER 1979 **FR1389** - HU59
 (v.pantanoensis n.n. PR258) -> ottonis v.pantanoensis
- v.rubescens F.RITTER 1979 **FR1027d** - Gf990,993; HU1189
 (v.segredoensis n.n. PR203,203a) -> ottonis f.segredoensis
- (MC arechavaletae /K.SCHUMANN ex SPEGAZZINI 1905/ KRAINZ 1966) -> neoarechavaletae
 GC/CO arevaloensis n.n. PR92
 U2 **arnostianus** KOLARIK & LISAL 1986 **HU338** pro parte - FS685,813,922; WG256; Gf224,307a,620,886; HU823; PR453,479,817; WRA441
 (PA arnostiana /KOLARIK & LISAL 1986/ HOFACKER 1988) -> arnostianus
 (RI arnostianus DOWELD 1999) -> arnostianus
 (GC artigas n.n. - ex Janousek 1982) -> nom.dub.
 (GC aureispinus n.n. - ex Neduchal 1981) -> nom.dub.
- NB aurisetus n.n. HU68
 v.longispinus n.n. HU73
- GC/OT batoviensis n.n. PR102
 (MC beltranii /FRIC ex FLEISCHER & SCHUETZ 1976/ SCHAEFER 1980) -> sellowii v.beltranii
 (MC bezrucii (FRIC 1922) SCHAEFER 1980) -> sellowii v.bezrucii
 (v.centrispinus /FRIC 1922/ THEUNISSEN 1981) sellowii v.bezrucii f.centrispinus
 (v.cornig(f)er /FRIC 1922/ THEUNISSEN 1981) -> sellowii v.bezrucii f.cornig(f)er
- GC/CO **blaauwianus** VAN VLIET 1976 **DV9/d** - DV9/17 (ehem.DV103); FS420; HR101; KPR61/S209; PR106; S188; WRA50
 (v.enormis VAN VLIET 1976 - DV103a=DV9/23) -> multicostatus
 (v.glaber n.n. - ex Havlicek 1983) -> OP
 f.nigrispinus n.n. PR106a
 (GC blossfeldianus n.n.) -> ottonis v.blossfeldianus
- GC/CO **bommeljei** VAN VLIET 1968
 (bommeljei FR1267,1267a) -> muricatus
 (NE brasiliensis n.n. PR242,500,557) -> mammulosus v.brasiliensis
 (v.rubrispinus n.n. DV74/b) -> mammulosus v.rubrispinus
- GC/CO **brederooianus** PRESTLE 1985 **PR81** - WRA12a
 (brederooianus PR659) -> scopa v.
- NB **brevihamatus** (W.HAAGE ex BACKEBERG 1956) BUXBAUM 1967 FR1277,1277a,1277b; HU43,43a,71; FS27,28; Gf946,947,948; MGH197; PR260; RWB7; WRA384,555
 Var./form: PR758,759; RWB6
 (f.albispinus PR 759 PRESTLE 1997 nom.inval.) -> brevihamatus f.
 (v.brasiliensis n.n. - ex Janousek 1982) -> OP

- (v.brunispinus n.n. - ex Janousek 1982) -> OP
 (f.conjungens (F.RITTER 1979) THEUNISSEN 1981 nom.inval. FR1277b; Gf948; HU71) -> brevihamatus
 (v.conjungens n.n. FS27; HU43a; PR260) -> brevihamatus v.mollispinus
 (v.mollispinus (F.RITTER 1979) THEUNISSEN 1981 nom.inval. FR1277a; HU43a; FS27,28; Gf947; PR260; RWB7; WRA555) -> brevihamatus
 (PA brevihamata W.HAAGE, nach BRANDT 1982) -> brevihamatus
 (BC brevihamatus DOWELD 1999) -> brevihamatus
 (BC brevihamatus /W.HAAGE ex BACKEBERG 1956/ DOWELD 2000) -> brevihamatus
 (BP brevihamata /W.HAAGE ex BACKEBERG 1956/ F.RITTER 1979) -> brevihamatus
 (BP brevihamata v.conjungens F.RITTER 1979) -> brevihamatus
 (BP brevihamata v.mollispina F.RITTER 1979) -> brevihamatus
 (NB brevispinus n.n. PR758,759) -> brevihamatus f.
 (GC brunescens n.n. - ex Janousek 1982) -> sucineus OP
 (brunescens v.albispinus n.n. - ex Janousek 1982) -> sucineus v.albispinus OP
 (NO buchheimianus QUEHL 1899) -> schumannianus
 NB **buenekeri** (BUINING 1962) F.BUXBAUM 1966 FR1278,1284,1284a; HU41,42,47,69,70,351; DV120; FS20,22,763,945;Gf949; PR265,266,394; RWB14; WRA389,390,560
 Var./form: WRA556,558; RWB9,12; PR261,263; FS24,29; DV120/a
 (buenekeri PR268) -> alacriportanus f.
 (v.capelloensis n.n. HU47) -> buenekeri
 (f.conjungens /F.RITTER 1979/ THEUNISSEN 1981 nom.inval. FR1284a; Gf950; HU69,351) -> buenekeri
 (v.densispinus n.n. PR263) -> buenekeri f.
 (v.gracilispinus n.n. PR261) -> buenekeri f.
 (v.intermedius /F.RITTER 1979/ THEUNISSEN 1981 nom.inval. FR1284; HU42; WRA390) -> buenekeri
 (v.intermedius PR262) -> alacriportanus
 (v.itambenzinhoensis n.n. PR265; FS20) -> buenekeri
 (v.pelotensis/pelotasensis n.n. HU40) -> catarinensis
 (f.senescens n.n. FR1278a) -> buenekeri
 (v.setosus n.n. HU185) -> myriacanthus
 (v.setosus n.n. f.HU186) -> myriacanthus v.longipsinus
 (PA buenekeri BUINING, nach BRANDT 1982) -> buenekeri
 (BC buenekeri DOWELD 1999) -> buenekeri
 (BP buenekeri /BUINING 1962/ F.RITTER 1979) -> buenekeri
 (BP buenekeri f.conjungens F.RITTER 1979) -> buenekeri
 (BP buenekeri v.intermedia F.RITTER 1979) -> buenekeri
 U1 **buiningii** BUXBAUM 1968 FR1442; DV114; FS57,207,264,295,383, 830,931; Gf284,492; WG158; H17,27; HU90,1018,1152, 1412; LB730,731,786; PR98,232,233,371, 374,375,833,952; HR83; RWB478; S186; WRA205,230; KH577,581,845
 (buiningii v.PR236) -> notabilis
 (v.alamoensis n.n. PR235) -> alamoensis
 (v.brunispinus/bruneispinus n.n. FS57; PR233) -> buiningii
 (v.bruneoareolatus n.n. S187) -> buiningii f.schlosseri
 (v.ferrugineus/ferrugispinus n.n. S211) -> ferrugineus
 (v.idiotensis n.n. PR236) -> notabilis
 (v.longispinus n.n. - ex Janousek 1982) -> OP
 (v.pulchellus n.n. PR234) -> allosiphon v.pulchellus
 f.schlosseri n.n. S187
 (PA buiningii /BUXBAUM 1968/ F.RITTER 1979/ N.P.TAYLOR 1987) -> buiningii
 (RI buiningii DOWELD 1999) -> buiningii
 (RI buiningii /BUXBAUM 1968/ DOWELD 2000) -> buiningii
 GC/OT cadeiaensis n.n. FS40; PR217
 GC/CO **caespitosus** (SPEGAZZINI 1905) BERGER ex BACKEBERG 1959 DV9/b8, 9/b12; FS159; Gf727; HU295,1249; JP753,765; PR90; R347; HR110,110a; WRA11,315; KH675; (KRZ476)
 Var./form: DV9/b, 9/b4, 9/b5, 9/b10, 9/b11, 9/b13
 (caespitosus DV23/3,23/4; R364) -> minimus f.
 (caespitosus KPR62/S197) -> minimus v.maximus
 (caespitosus v.HU92; S198a) -> minimus
 (v.aureispinus n.n. S198b) -> minimus v.aureispinus
 (v.minimus n.n. S198) -> minimus v.albispinus

- (PA caespitosa /SPEGAZZINI 1905/ BERGER ex BACKEBERG 1959/ N.P.TAYLOR 1987)
-> caespitosus
- NE/MA callianthus n.n. PR104
- (MC callispinus - Y. ITO) -> neoarechavaletae
- MC **calvescens** N.GERLOFF & A.D.NILSON 1994 **AN384** - AN389; Gf141,900; MGH171
Var./form: FS705,706; H180; HU1564; GN89-135,-328
- (NB cambarensis n.n. HU42) -> buenekeri v.intermedius
- GC/OT **campestrensis** F.RITTER 1979 **FR1398** - AH233; HU23
- (GC campoensis n.n. HU187) -> linkii f.
- (NE canelaraensis n.n. PR241) -> mammulosus f.
- GC/OT **carambeiensis** BUINING & BREDEROO 1973 HU140a; DV136; FS321,321a,323; RWB62
Var./form: FS322
v.**villa-velhensis** (BACKEBERG & VOLL 1949) SIDA ex DOHNKE 1994
DV130,140/a; AH229; H112; HU140b,974,1491
- (PA carambeiensis /BUINING & BREDEROO 1973/ HOFACKER 1998) -> carambeiensis
- (PE carambeiensis DOWELD 1999) -> carambeiensis
- (NO/no carambeiensis, nach DOWELD 2000) -> carambeiensis
- NE/MA catalanensis n.n. PR99; Schlosser



N. Spec. (Malacoc.) DV98/68, Sammlung Koehres 199

- NB **catarinensis** SCHEINVAR 1986 FR1401,1401a; HU40; FS23; PR264
(v.chrysocomus n.n. FR1401; HU45) -> catarinensis
(v.chrysocomus f.rubrispinus n.n. HU74) -> catarinensis
(v.pelotasensis n.n. HU40) -> catarinensis
- (PA catarinensis /RITTER/ BRANDT 1982) -> catarinensis
- (BC catarinensis DOWELD 1999) -> catarinensis
- (BC catarinensis /SCHEINVAR 1986/ DOWELD 2000) -> catarinensis
- (BP catarinensis FR 1401a F.RITTER 1979 nom.inval) -> catarinensis
- (BP catarinensis /F.RITTER 1979/ THEUNISSEN 1981) -> catarinensis
- MC cephalophorus n.n. KZ129
- (NB chrysocomus n.n. FR1401; HU45) -> catarinensis
(v.rubrispinus n.n. HU74) -> catarinensis
- (BP chrysocoma n.n. HU45) -> catarinensis
- (BP chrysocoma v.rubripina n.n. HU74) -> catarinensis
- NO **claviceps** (F.RITTER 1966) KRAINZ 1967 **FR1283** - DV126; FS205a; HU16
Var./form: FS205b; HU500
- (PA claviceps /RITTER/ BRANDT 1982) -> claviceps
- (GC cobrensis n.n. HU80) -> scopa v.cobrensis
- (GC concinnioides n.n. HU77; PR497) -> concinnus v.aceguaensis
RPS: concinnioides hort.Buining ex Prauser 1993 nom.inval.
(concinnioides n.n. FS315) -> concinnus v.gibberulus
(concinnioides n.n. PR637) -> concinnus v.

GC/CO **concinus** (MONVILLE 1839) BERGER ex BACKEBERG 1959 DV9; FS505,509,716; Gf940; AH165,174; H58,65,68; HR62; HU1365,1440,1447,1451; JP601,606,723,N11,N15a,N21,737;PR75; R349,348; WRA143,147; KH427,437,443,453,469,478,483,538,745,751,800,967,972,981,985
 Var./form: WRA31,149; H71; AH162,179,377; FS661; Gf824; HU366,419,1235, 1238,1269,1276,1346,1361,1454; KH542; KZ156; S158; DV9/g; PR637
 (concinus v.S156) -> concinnus v.rubrigemmatum
 (concinus v.S188) -> blaauwianus
 (concinus v.PR91) -> agnetae
 (concinus v.PR93) -> olimarensis



N.concinus f.fimbriatiflorus n.n. DV9/f/68 Gabriel 304

v.aceguaensis N.GERLOFF 1989 **FS196** - AH197; FS493; Gf71,78; HU77,1373 p.p.
 Form: PR495
 (v.apricus n.n. DV9/b...; PR90) -> caespitosus
 (v.arevaloensis n.n. PR92) -> arevaloensis
 v.ballenarensis n.n. DV9/h; PR77
 (v.bruneispinus n.n. - ex Janousek 1982) -> blaauwianus OP
 (f.charruanus n.n. PR75) -> concinnus
 (v.cunapiruensis n.n. S156) -> concinnus v.rubrigemmatum
 (v.durispinus n.n. - Schlosser) -> concinnus
 v.durispinus hort. ex Prauser 1996 nom.inval.
 v.elegans n.n. (KRZ477)
v.eremiticus (F.RITTER 1979) N.GERLOFF 1988 **FR1390** - FS519; HU801
 f.fimbriatiflorus n.n. DV9/f; HU366
v.gibberulus (PRESTLE 1986) N.GERLOFF 1988 **PR313** - AH200; FS247,315,920;
 Gf72,81,210,363,824; HU1185; PR521; WRA68,297,528,538
 (v.gibberulus AH162,377) -> concinnus v.
f.joadii (HOOKER 1886) HAVLICEK 1989
 (v.longispinus n.n. HU366) -> concinnus v.fimbriatiflorus
 (v.longispinus R366) -> concinnus
 (v.lusianus n.n. DV9/d) -> blaauwianus
 (v.montevideensis n.n. PR75) -> concinnus
 (v.mosquitoensis/mosquitensis n.n. S163) -> megalanthus
 f.nigrispinus n.n. DV9/k
 (v.olimarensis n.n. PR93) -> olimarensis
 f.olimarensis n.n. S159
 v.parviflorus n.n. DV9/c
 v.piriapolisensis n.n. DV9/a; Gf735; JP761a; R341
 v.polancoensis n.n. PR89
 v.poroensis van Vliet ex M.Dumont 1996 nom.inval.
 f.poroensis n.n. DV9/e

- f. quervosensis n.n. DV9/I
 v. **rubrigemmat** (ABRAHAM 1988) N.GERLOFF 1988 **S156** - HU1060; WRA126
 (v. seticeps nom. prov. DV9/g) -> agnetae
 (v. tabularis n.n.) -> tabularis
 (v. wolthuysianus n.n. R360) -> multicosatus
 (v. wolthuysianus n.n. KPR61/S209) -> blaauwianus
 f. yerbalitoensis/gerbalitoensis PRAUSER 1991 nom. inv. DV9/m; Gf754
 (PA concinna /MONVILLE 1839/ BERGER ex BACKEBERG 1959/ N.P.TAYLOR 1987) -> concinnus
 (NO/sc concinnus, nach DOWELD 2000) -> concinnus
 (NO/sc concinnus ssp. concinnus, nach DOWELD 2000) -> concinnus
 (PA concinna ssp. agnetae /VAN VLIET 1975/ HOFACKER 1998) -> agnetae
 (NO/sc concinnus ssp. agnetae /VAN VLIET 1975/ DOWELD 2000) -> agnetae
 (PA concinna ssp. blaauwiana /VAN VLIET 1976/ HOFACKER 1998) -> blaauwianus
 (PE concinnus DOWELD 1999) -> concinnus
 (PE concinnus ssp. agnetae DOWELD 1999) -> agnetae
 (PE concinnus ssp. multicosatus DOWELD 1999) -> multicosatus
 (NO/sc concinnus ssp. multicosatus /BUINING & BREDEROO 1973/ DOWELD 2000) -> multicosatus
 MC congregatus n.n. PR110
 (MC corynodes /OTTO ex PFEIFFER 1837/ KRAINZ 1966) -> erinaceus f. corynodes
 (corynodes v. erinaceus SALM-DYCK 1850) -> erinaceus
 (MC courantii /LEMAIRE 1838/ THEUNISSEN 1981 - HU286; FR1427) -> sellowii v. courantii
 GC/UE **crassigibbus** F.RITTER 1970 **FR1394** - AH48,105; DV111; FS13,329,332,446,739,897,
 900,901; Gf33,328,399,401,535,930; WG104,107,237,282; HU3,5,1115; LB878,884;
 MGH50; S205; WRA348
 Var./form: WRA289,372; PR316,560,561,562; HU676
 f. difformis n.n. KPR53/S180; FS188
 (v. gracilior n.n. FR1394a) -> crassigibbus f. minor
 (v. grandiflorus n.n. - Fa. Donkelaar) -> crassigibbus
 f. minor n.n. FR1394a OP (var./form ?)
 f. polyacanthus n.n. S181
 (PA crassigibba /F.RITTER 1979/ N.P.TAYLOR 1987) -> crassigibbus
 (RI crassigibbus DOWELD 1999) -> crassigibbus
 (RI crassigibbus /F.RITTER 1970/ DOWELD 2000) -> crassigibbus
 (MC crassispinus n.n. - HU5) -> crassigibbus OP
 U2 **cristatoides** F.RITTER 1979 **FR1478** - FS894; Gf625; RWB131; WRA419,431
 (NE cupreatus n.n. DV75) -> roseoluteus
 MC curtinensis n.n. DV29/b
 U2 **curvispinus** F.RITTER 1979 **FR1479** - HU338 pro parte; WRA435
 Var./form: RWB155
 (curvispinus v. WRA441) -> arnostianus
 (curvispinus v. WRA446) -> ritterianus
 (PA curvispina /F.RITTER 1979/ D.R.HUNT 1997) -> curvispinus
 (RI curvispinus DOWELD 1999) -> curvispinus
 GC/OT dalvae n.n. FR1486; RWB40
 (GC darilhoensis n.n. FS250; Gf186; PR354) -> arachnitis v. darilhoensis
 (GC densispinus n.n. - ex Janousek 1982) -> nom. dub.
 (MC discophalium n.n. FS368; Gf53; PR361) -> neohorstii v. prestlei
 (GC dolfusii Hort. - erw. in Fric) -> minimus
 BC **elachisanthus** (WEBER 1904) HERTER 1943
 (PA elachisantha /WEBER/ BRANDT 1982) -> elachisanthus
 GC/OT electracanthus n.n. DV141
 (NE elegans n.n. R371c; HU338 p.p.) -> winkleri
 (elegans PR453,817) -> arnostianus
 (MC engelmännii/engelmannianus n.n. - ex Janousek 1982) -> nom. dub.
 (NE engleri n.n. DV41/836) -> eugeniae
 (GC erectocylindricus n.n. PR250) -> minimus v. tenuicyl. f. maior
 (GC eremiticus F.RITTER 1979 - FR1390) -> concinnus v. eremiticus
 (eremiticus FS 196) -> concinnus v. aceguaensis
 MC **erinaceus** (HAWORTH 1819) KRAINZ 1966 AH183; DV29....; FS311,347,650,670;
 Gf601,728,731,869; HU819,1063,1250; KH425,440,447,468,500,536,653,656,661,669;
 LB848; JP600,611,684,N11,N19,N23,751,754,N37; R336; S201;
 WRA4,13,24,145,303,305,307,311,321,336,401,541; (KRZ15)

Var./form: WRA172
 f.**corynodes** (OTTO ex PFEIFFER 1837) N.GERLOFF 1995 AH158,159; DV39; Gf712,
 742,752; HU1345; KH429,438,446,468,568a,626,671; JP693; PR722; (KRZ14)
 (v.elatior n.n. - ex Haage 1982) -> OP



Variationsbreite einer Notobrasilia

205

- (v.ernestii n.n.) -> sellowii f.pauciareolatus
 (v.kovarikii/kovaricii MACE 1975) -> kovarikii
 (v.leucocarpus - ex Mace 1975) -> sellowii f.leucocarpus
 (f.macro-/macracanthus - ex Havlicek 1978 - DV29/a; S202) -> sellowii f.macrocanthus
 (f.macrogonus - ex Havlicek 1978) -> sellowii f.macrogonus
 (v.pauciareolatus n.n. DV29/b) -> curtinensis
 (v.pauciareolatus - ex Havlicek 1978 - HU293) -> sessiliflorus v.pauciareolatus
 (f.sellowii - ex Havlicek 1978) - nom.dub.
 (v.spinossior n.n.) -> sellowii f.tephracanthus
 RPS: erinaceus v.spinossior Rowley 1973 nom.inval.
 (v.tephracanthus SCHAEFER 1980 - HU2) -> sellowii f.tephracanthus
 (v.tephracanthus subv.courantii - SCHAEFER 1980 - HU286) -> sellowii v.courantii
 (v.tephracanthus subv.depressus - SCHAEFER 1980) -> sellowii f.tephracanthus
 (v.tephracanthus f.spinossior n.n.) -> sellowii f.tephracanthus
 (PA erinacea /HAWORTH 1819/ KRAINZ 1966/ N.P.TAYLOR 1987) -> erinaceus
 (WI erinacea /HAWORTH 1819/ D.M.PORTER 1964, nach DOWELD 2000) -> erinaceus
 (WI corynodes /OTTO ex PFEIFFER 1837/ D.M.PORTER 1964, nach DOWELD 2000) -> erinaceus
 f.corynodes (OP)
 (NE erizo n.n. S151) -> mueller-moelleri
 (MC ernestii n.n.) -> sellowii f.pauciareolatus
 U1 **erubescens** (OSTEN 1941) MARCHESI 1972
 (PA erubescens /OSTEN 1941) MARCHESI 1972/ D.R.HUNT 1997 -> erubescens
 (RI erubescens DOWELD 1999) -> erubescens
 NE/MA **erythracanthus** SCHLOSSER & BREDEROO 1985 **S165** - H41; HU1424; PR82; WRA486
 Var./form: S165a,165b; KH608
 (v.robustus n.n. S 165b) -> erythracanthus v.
 (NE erythranthus n.n. - Fa.De Herdt) -> erythracanthus
 (GC erythrinus n.n. - Fa.Uhlig, Fa.Donkelaar) -> horstii v.purpureiflorus
 NE/MM **eugeniae** VAN VLIET 1976 **DV41** - FS585; R371b; KH606
 (eugeniae DV42,61) -> DV/OP
 (v.microfloridus n.n. DV40/a) -> eugeniae DV41a OP
 GC/OT eurypleurus PRESTLE 1991 nom.inv. PR255
 Var./Form: PR255a
 NE/MA euvelenovskyi FLEISCHER & SCHUETZ 1976 nom.inval. WRA5; (KRZ467)
 (NE fasciculatus n.n.) -> orthacanthus OP

- GC/OT fecotrigoensis n.n. PR809
 GC/WE **ferrugineus** SCHLOSSER 1982 **S211** - PR101; WRA136
 (MC flaviflorus/flavifloridus n.n. PR120) -> nivosus v. albiflorus
 NE/MA **floricomus** (ARECHA VALETA 1905) BERGER ex BACKEBERG 1959 FS157; (KRZ455)
 Var./form: KZ123,142
 (v. albispinus n.n. R355) -> mammulosus v. albispinus
 v. **flavispinus** BACKEBERG 1951 DV 74/f (ehem. DV102)
 (v. grandiflorus n.n. S165) -> erythracanthus
 (v. multiflorus n.n. S165a) -> erythracanthus f. (?)
 v. **rubrispinus** BACKEBERG 1951
 (v. rubrispinus S165b) -> erythracanthus f. (?)
 (v. rubrispinus f. robustus n.n. S165a) -> erythracanthus f. (?)
 (v. rutilans n.n.) -> rutilans OP
 v. **spinosissimus** FRIC ex BUINING 1957 (KRZ457)
 v. **velenovskyi** (FRIC ex BACKEBERG 1929) KRAINZ 1945 R345; (KRZ467)
 (MC fricii /ARECHA VALETA 1905/ KRAINZ 1966 - KZ135) -> sellowii f. fricii
 (v. robustior FRIC 1922) -> OP
 U1 **fuscus** F. RITTER 1979 **FR1379** - DV117; FS285,286,287,288,777,970; WG1-5,31c,31h,
 51,57,64,74,204; Gf263,459,514,977,978; AH224; HU29,783,783a,796,1128(661),1161;
 LB582,582a,591; MGH114; WRA510,511
 Var./form: WRA278,280,284,505; FS292,358; Gf469; HU797,796a; PR790,801,904
 (fuscus HU28) -> HU/OP
 (fuscus PR225; FS86) -> fuscus v. longispinus
 (fuscus v. FS16) -> mueller-melchersii
 (v. assisensis n.n. HU63) -> fuscus v. longispinus
 v. **longispinus** F. RITTER 1979 **FR1379a** - AH223; FS86; WG76; HU63,1183; PR225,226;
 WRA245; MGH235
 (PA fusca /F. RITTER 1979/ HOFACKER & P. J. BRAUN 1998) -> fuscus
 (PE fuscus DOWELD 1999) -> fuscus
 (RI fuscus /F. RITTER 1979/ DOWELD 2000) -> herteri



N. gladiatus n.n.

N. Gerloff 196

- (NE geenii n.n. R371b) -> eugeniae
 (U1 gerloffii/gerloffianus n.n. FR1379a) -> fuscus v. longispinus OP
 (GC gibberulus PRESTLE 1986 - FS247; Gf72; PR313) -> concinnus v. gibberulus
 GC/OT gibbosus n.n. WG9a,24b,67,114,139,154,164,219,223,227,247,268
 MC gladiatus n.n. FS540,714,873; KZ122; HU1077; PR113
 RPS: gladiatus (LINK & OTTO) PRESTLE & SIDA 1985 nom. inval.

- GC/OT **glaucinus** F.RITTER 1979 **FR1376** - AH211,212,214; FS283,352,354,363,477;
Gf155,451,458,462,586,682,683,815,924,954,955; WG14a,25b,53,61,65,81,87,155,
182a,194,206,209,214,242,254,260,267; HU61,1385,1386,1388; MGH115 p.p.,177; PR204,
799,905; RWB203; WRA228,247,249,276,475,513
Var./form: LB583,587,590,592; Gf135,424,466,467,510,511,517; PR303,307,330; FR1415a;
FS353; HU776,788,1125(658); WRA246,282
(glaucinus WRA277; FS359) -> ibicuiensis
(glaucinus MGH168) -> glaucinus v.gracilis
(Var./form FS116,117,119) -> ibicuiensis
v.alegretensis n.n. PR308
(v.alegretensis HU84) -> alegretensis
v.**depressus** F.RITTER 1979 **FR1376a** - FS91; Gf117; HU61a; PR221,302
v.**gracilis** F.RITTER 1979 **FR1378** - FR1426; FS204,267,268,478; Gf130,257,258,259,262,
421,427,428,429,430,515,521,523,976,979; MGH168; HU62,774,778,779;
PR331,367,642,787,788
(v.gracilispinus n.n. PR331) -> glaucinus v.gracilis
(v.miniatispinus n.n.) -> glaucinus v.gracilis
(v.miniatispinus PR302) -> glaucinus v.depressus
(GC) **globularis** F.RITTER 1979 - FS355,378; WRA76,461; RWB170; FR1388) -> ottonis v.globularis
(globularis PR255) -> eurypleurus
(MC) **glochidiatus** n.n. KZ122) -> gladius
GC/SC **glomeratus** N.GERLOFF 1991 **FS249** - Gf184,356; AH84; HU1184; PR356
GC **gracilis** GEMMICH 1996 nom.inval.
BC **graessneri** (K.SCHUMANN 1903) BERGER ex KRAINZ 1960 DV129; Gf662,943,945;
FR1276; FS32,944; HU48; PR270; WRA386; (KRZ422)
Var./form : Gf441; MGH213; FS239,325
v.**albisetus** (CULLMANN 1955) KRAINZ 1960 FR1276b; WRA391,559
(f.fortalezensis PRESTLE 1980 nom.prov. PR269 - FS25; HU54) -> graessneri v.albisetus
(v.albisetus FS29a) -> FS/OP
(v.aureiflorus n.n. HU54) -> graessneri v.albisetus f.fortalezensis
(v.elachisanthus n.n.) -> elachisanthus OP
(v.flaviflorus n.n. FS325; HU54) -> graessneri v.albis. f.fortalez.
(v.fortalezensis n.n. HU54; PR269) -> graessneri v.albis. f.fortalez.
(v.jaquiranensis/yaquiranensis n.n. HU48) -> graessneri
v.longispinus n.n. PR271
v.luteus n.n. PR399
f.**microdasys** P.J.BRAUN 1986 **HU501** (aus HU48)
v.stellatus (hort. ex BACKEB.) HAVLICEK 1989 nom.inval. FR1276a; HU39; RWB20; WRA565
v.tenuispinus n.n. HU329
(v.vacariensis n.n. HU39; RWB20) -> graessneri v.stellatus
(PA) **graessneri** /K.SCHUMANN/ BRANDT 1982) -> graessneri
(BC) **graessneri**, nach DOWELD 2000) -> graessneri
(MC) **grandicornis** n.n. PR278) -> sellowii v.macrocanthus
(GC) **grandiensis** BERGNER 1989 nom.inval.) -> glaucinus
GC/OT **grauus** n.n. KPR73 -> OP
(NO) **grossei** /K.SCHUMANN 1899/ FRIC 1928 AA103; FR1182b; HU698; LB54; M17) ->
schumannianus v.grossei
(f.aureispinus /F.RITTER 1979/ THEUNISSEN 1981 FR1182a -AA89,138) -> schumannianus
v.grossei
(v.nigrispinus n.n. HU306) -> nigrispinus
(PA) **grossei** /K.SCHUMANN/ BRANDT 1982) -> schumannianus v.grossei
NE/MM **gutierrezii** ABRAHAM 1988 **WRA253** - FS360,790; AG18 p.p.
NE/MM **haasianus** n.n. DV119
(NE) **haasianus** n.n. DV119) -> haasianus
(NB) **hamatacanthus** n.n. FS22; HU70; PR266) -> buenekeri
Var./form: PR267,763,764a
(hamatacanthus HU69) -> buenekeri
(v.albispinus n.n. HU70) -> buenekeri
(v.albolanatus n.n. - ex Janousek 1982) -> nom.dub., buenekeri
GC/OT **harmonianus** F.RITTER 1979 **FR1414** - FS951,952; Gf145,270,274,278;
WG11a,58,78,144,192b,199,213; PR939

- BC **haselbergii** (HAAGE ex RUEMLER 1886) BERGER ex KRAINZ 1967
 DV128; FR1275; FS34; Gf176; KZ160; MGH3,180,201; AH340; WG86;
 PR272; RWB26; WRA571; (KRZ432)
 Var./form: RWB28; FR1275a; HU1169



N.concinnus f.nigrispinus n.n. DV79/k/68

Gabriel 305

- (haselbergii HU39) -> graessneri v.stellatus
 (haselbergii PR273) -> haselbergii v.lanatus
 (v.albatus/albolanatus n.n.) -> OP
 v.gracilispinus n.n. HU51
 f.lanatus n.n. PR273
 v.luteus n.n. KZ161
 f.pseudograessneri n.n. PR274
 v.robustispinus n.n. HU50
 (v.stellatus n.n. HU39) -> graessneri v.stellatus
 (v.vacariensis n.n. HU39) -> graessneri v.stellatus
 (PA haselbergii /HAAGE/ BRANDT 1982) -> haselbergii
 (PA haselbergii ssp.graessneri /K.SCHUMANN 1903) BERGER ex KRAINZ 1960/
 HOFACKER & P.J.BRAUN 1998) -> graessneri
 (BC haselbergii, nach DOWELD 2000) -> haselbergii
 (BC haseltonianus n.n. - ex Janousek 1982) -> haselbergii Var./form OP
 (MC hennisii n.n.) -> vorwerkianus
 GC/HE **herteri** (WERDERMANN 1936) BUINING & K.KREUZINGER 1950 AH124, 133,151; DV20;
 FR1387; FS164,296,297,377,460,526,694,699,836; Gf506, 703; WF266; H5,20; HR87;
 HU20,1047,1058,1133,1319,1322,1336; KZ155; LB765,767; R361; RWB174;
 WRA74,120,122,191,234,458; KH572,573,830; (KRZ465)
 Var./form: PR96; S184; HU1137(670); DV20/a
 f.albilispinus n.n. S185
 f.aurisetus n.n. S184a
 (v.lutea-rosea n.n. PR124) -> PR/OP
 v.porphyreus n.n. S162
 f.**pseudoherteri** (BUINING 1971) K.HERM 1989 FS63; Gf920; HU342,1086; PR237
 (f.rubriflorus n.n. KRZ22) -> herteri
 (PA herteri /WERDERMANN 1936) BUINING & K.KREUZINGER 1950/ N.P.TAYLOR 1987) -> herteri
 (RI herteri DOWELD 1999) -> herteri
 (RI herteri /WERDERMANN 1936/ DOWELD 2000) -> herteri
 (NE hircinus - ex SPEGAZZINI) -> submammulosus v./f. OP
 MC horridispinus n.n. PR115
 GC/HE **horstii** F.RITTER 1966 **FR1269** - DV118; HU17; MGH73
 (v.erythrinus n.n. FR1269a) -> horstii v.purpureiflorus
 (v.muegelianus n.n. DV 118/b) -> horstii f.muglianus
 f.muglianus K.HERM 1993 nom.inval. HU82 - DV118/b; LB571; RWB47

- (v.neohorstii n.n. HU15) -> neohorstii
 f.**purpureiflorus** (F.RITTER 1979) K.HERM 1993 **FR1269a** - HU20b,815
 f.**purpureus** (F.RITTER 1970) K.HERM 1993 **FR1268** - AH226; DV118/a; Gf240,997; WG36;
 HU20a,20c,20d,813,814; MGH100
 (PA horstii /F.RITTER 1966/ N.P.TAYLOR 1987) -> horstii
 (PE horstii DOWELD 1999) -> horstii
 (RI horstii /F.RITTER 1966/ DOWELD 2000) -> horstii
 (RI horstii f.horstii, nach DOWELD 2000) -> horstii ? (OP)
 (RI horstii f.juvenaliformis, nach DOWELD 2000) -> neohorstii v.juvenaliformis ? (OP)
 (MC horstii F.RITTER 1979) -> neohorstii
 (NE hypocrateriformis /OTTO & DIETRICH 1838/ HERTER 1943) -> mammulosus
 GC/OT **ibicuiensis** PRESTLE 1986 **FS116** - FS117,119,359; Gf468,472;
 HU499,786,787,792,1094,1094a; MGH225,227; RWB247; WRA277,502
 (ibicuiensis Gf270,274) -> harmonianus
 v.alegretensis n.n. PR783,784,922
 (f.alegretensis Gf269) -> alegretensis
 f.minimus n.n. PR785



N.sessiliflorus f.vorwerkianus aus Kolumbien J.A.Wanie aaba

- GC/OT **incomptus** N.GERLOFF 1990 **HU96**
 (MC infernensis n.n. Gf35; PR275) -> langsdorfii v.longispinus f.infernensis
 MC infernensis N.GERLOFF 1990 nom.inval.
 (f.atrispinus n.n. PR275a) -> langsd.v.longisp.f.infernensis
 (infernensis n.n. FS99a) -> mammulosus
 GC/WE intermedius n.n. DV19/8,19/8/2
 MC intricatus (LINK & OTTO 1827) HERTER 1954 -> WI ? OP
 MC/MC invictus n.n. PR117
 GC/SC islaensis n.n. PR630
 (GC itambenzinhoensis/itambezinhoensis n.n. PR222) -> linkii f.
 (NE itapeitiensis/-anus Y.ITO) -> mamulosus f.uebelmannianus/NO OP
 (GC janousekianus PAPOUSEK 1975) -> ottonis cv.Janousek
 (GC joadii HOOKER Jun. 1866) -> concinnus v.joadii
 (NE jaquiranensis/jaquiranaensis n.n. S150) -> roseiflorus
 (MC kovarikii /FRIC ex BERGER 1929/ KRAINZ 1966 Gf722) -> neoarchavaletae f.kovarikii
 GC/OT **laetivirens** F.RITTER 1979 **FR1266** - DV137; WG48,49,55,65b,187,191,202,213,279; HU58
 f.**densispinus** S.BERGNER 1993 **Gf124a** - MGH242; PR519
 MC **langsdorfii** (LEHMANN 1826) KRAINZ 1966 **FR1273** - FS108,313,369,641,642; Gf2,102,530,
 655,779,853,893; MGH95; HU1111,1112; PR280,282,452,909,970; RWB66;
 WRA417;WG117
 Var./form: Gf99,205,413,415,564; AH45,52,53,107,113,347,351,353,371; FS639,728; PR911;
 WRA371; MGH78,92; H108; HU1487
 f.**eddiwarasii** N.GERLOFF 1994 **Waras34** - FS638; Gf247; MGH191; Gf559
 v.**leprosorum** (F.RITTER 1979) HOFACKER 1993 **FR1272** - AN430; FS640; Gf91,936;
 HU33; RWB22; WRA567

- v.lonigpinus** (F.RITTER 1979) N.GERLOFF 1993 **FR1403a** - FS514; Gf325,334,336, 400, 537,627,847; LB879; WG105,141; HU6,1309; MGH53,57,59; PR719; RWB130; WRA347,418
(v.longispinus AH45,52,53,107,113) -> langsdorfii f.
f.infernensis n.n. AN22; FS99b,635; Gf35; PR275; WRA293,344
- (PA) **langsdorfii ssp.multiceps** HOFACKER & HERM 1999 - AH169) -> langsdorfii v.pulvinatus
(f.polyacanthus n.n.) -> langsdorfii
f.prolifer (F.RITTER 1979) N.GERLOFF 1993 **FR1403** - AH206; DV138; FS96,111; Gf30,534,547; WG99; HU4,4a,1010,1149,1380; LB909; PR281; WRA358
v.pulvinatus (VAN VLIET 1990) NEDUCHAL 1999 **DV25** - AH169; FS507; Gf593,595,756; R359; WRA46
- (PA) langsdorfii / (LEHMANN 1826) KRAINZ 1966/ D.R.HUNT 1997) -> langsdorfii
(RI) langsdorfii /LEHMANN 1826/ DOWELD 2000) -> langsdorfii (OP)
(RI) langsdorfii ssp.langsdorfii, nach DOWELD 2000) -> langsdorfii (OP)
(WI) langsdorfii ssp.multiceps DOWELD 1999) -> langsd. v.pulvinatus
(RI) langsdorfii ssp.multiceps /HOFACKER & HERM 1999/ DOWELD 2000) -> langsd.v.pulvinatus (OP)
(WI) langsdorfii ssp.pulvinatus DOWELD 1999) -> langsd. v.pulvinatus
(RI) langsdorfii ssp.pulvinatus /VAN VLIET 1990/ DOWELD 2000) -> langsd. v.pulvinatus (OP)
- NO **leninghausii** (HAAGE sen. 1895) BERGER ex KRAINZ 1968 AH341; DV124; FR1203,1274; HU53; LB935
Var./form: FR1274b; HU1528
f.apelii (HEINRICH 1940) KRAINZ 1968 (KRZ451)
(v.longispinus n.n. FR1274b; HU49; FS324) -> leninghausii f.minor
f.minimus n.n. PR600
(f.minor (F.RITTER 1979) HAVLICEK 1989 FR1274a ; FS324; HU49 -> leninghausii
(v.nigrispinus n.n. - ex Janousek 1982) -> OP
- (PA) leninghausii /F.HAAGE/ BRANDT 1982) -> leninghausii
(EC/ec leninghausii , nach DOWELD 2000) -> leninghausii
- (MC) leprosorium F.RITTER 1979 - FR1272; HU33; WRA567; RWB22) -> langsdorfii v.leprosorium
(MC) leprosorium PR411) -> NO-spec. (Malacocarpus)
(MC) leucacanthus/leucanthus n.n.) -> neohorstii OP
(MC) leucocarpus /ARECHAVALETA 1905/ SCHAEFER 1980) -> sell. f.leucocarpus
(GC) limiticolus/-cola n.n.) -> arechav. v.limiticola OP
- GC/OT **linkii** (LEHMANN 1827) HERTER 1955 AN380,381,418,419; DV64; FR1026a,1026e; FS26,30,36,201,206,374,589,592,597,603,605,781,852,921; Gf11,183,198,218,227,303, 311,318,416,445,448,450,454,536,582,633,646,663,665,671,685,765,789-793,816,820, 831,944,951,999; H109,111; AH3; HU489,806,841,842,1071,1291,1488,1490,1521; LB703; MGH5,124,188,208,211,212,214,215,216; JP679a,680; PR224,403,406a; RWB149; WRA72a,393,436,440,445,514,520,561,564,566
Var./form: WRA382,383,385,387,388,562,563; LB883; RWB17; WG6; Gf215,222,252,254,256, 460,576,583,666,667,668,987,989; MGH1,72; AH61,64,120,152,213,231,234,370; KZ124a; KPR41,42; PR212,213,222,254,366a,381,403a,418,442,443,550,750,751,753,754,755,761, 762; FS31,120,151,284,316; HU187,369,370,497,699,777,981,1510,1511,1512,1522, 1523,1579,1580
(linkii HU25) -> HU/OP
(linkii f.Gf90a) -> megapotamicus v.alacriportanus
(linkii f.Gf254) -> megapotamicus f.
(linkii MGH209,210) -> megapotamicus v.flavispinus
(linkii v.WRA281) -> linkii v.albispinus
(linkii v.PR214) -> arechavaletae v.alacriportanus
(linkii v.PR215,793) -> megapotamicus f.
(linkii v.FS114) -> ottonis
(linkii v.FS140) -> megapotamicus
(linkii f.FS321,322) -> carambeiensis
(linkii f.HU498) -> arechavaletae
(v.albiareolatus n.n.) -> nom.dub.
- v.albispinus** ABRAHAM 1990 **WRA281**
f.altosensis n.n. HU36
(v.altosensis Gf208) -> megapotamicus
v.aureastigmaticus n.n. PR760
f.berlinensis n.n. HU30
(v.brasilensis n.n. FR1026a) -> linkii

- v.buenekeri** F.RITTER 1979 **FR1026b** - HU22; RWB2; WRA551; Gf660,661,670,794,941
 (v.buenekeri AH213,234) -> linkii f.
 (v.cachoeiraensis n.n. FS36; PR224) -> linkii
 (v.cambarensis n.n. PR213) -> linkii f.
 (v.flavispinus BUINING & BREDEROO 1978 - FS281; HU86) -> megapotamicus v.flavispinus
v.guaibensis F.RITTER 1979 **FR1264** - AN185; FR1026d; Gf243; MGH198; PR210
 (v.guaibensis FS18a) -> ottonis v.elegans
 (v.itambenzinhoensis/itambezinhoensis n.n. FS26; PR222) -> linkii f.
 (v.jaquiranaensis n.n. FS31; PR254) -> linkii f.
 (v.jaquiranaensis n.n. FS140) -> megapotamicus
 (v.megapotamicus n.n. S155) -> megapotamicus
 v.miniatispinus n.n. PR752
 (v.multiflorus RITTER 1979 - FR1026c; KRZ471) -> megapotamicus f.multiflorus
 (f.Ossowski n.n. - Theunissen) -> OP
 (v.pantanoensis n.n. FS17) -> arechavaletae v.aureus
 v.paranaensis n.n. HU302
 (v.paucicostatus n.n.) -> nom.dub.
 (v.pseudoacutus n.n. S168) -> ottonis v.schuldtii
 v.riosusannaensis n.n. AN114; PR412
 f.rotundus n.n. PR417
 (f.stenogonus n.n.) -> linkii OP
 (f.tenebrosus n.n. KZ135b) -> linkii f.
 (v.uruguayensis n.n. S155) -> megapotamicus
 (v.vermelhensis n.n. HU86) -> megapotamicus v.flavispinus
 (f.websterianus hort.Debaecke 1988 nom.inval.) -> OP
 (PA linkii /(LEHMANN 1827) HERTER 1955/ R.KIESLING 1995) -> linkii
 (PE linkii DOWELD 1999) -> linkii
 (NO/no linkii, nach DOWELD 2000) -> linkii



N.dalvae n.n.

Foto Gerloff

- (MC longispinus /F.RITTER 1979/ HAVLICEK 1981 - FR1403a; Gf325,334,336; HU6;
 WRA347,418; RWB130; PR553) -> langsdorfii v.longispinus
 (longispinus PR281) -> langsdorfii f.prolifer
 (longispinus PR280) -> langsdorfii

- (longispinus PR384,482) -> NO-spec. (Malacocarpus)
- (U1 luteoroseus n.n. DV75) -> roseoluteus
- NE/MA **macambarensis** PRESTLE 1986 **PR425** - Gf470; LB605; MGH240; RWB249; WRA504
- (GC macarambensis n.n. - ex Gebauer) -> macambarensis
- (GC machadoensis n.n.) -> scopa v. machadoensis
- (MC macracanthus = macrocanthus - FR1384a; DV28) -> sellowii f. macrocanthus
- (MC macrocanthus /ARECHAVALETA 1905/ SCHAEFER 1980 - DV29/a; KZ154; R369; S202) -> sellowii f. macrocanthus
- (macrocanthus PR113) -> gladius
- (MC macrogonus /ARECHAVALETA 1905/ SCHAEFER 1980) -> sellowii f. macrogonus
- NO **magnificus** (F. RITTER 1966) KRAINZ ex N.P. TAYLOR 1980 **FR1270** - DV125; FS202; Gf116,996; HU18; LB581; MGH174; RWB103; WRA394a
- (PA magnifica /RITTER/ BRANDT 1982) -> magnificus
- (EC/eo magnificus /F. RITTER 1966/ DOWELD 2000) -> magnificus
- MC maldonadensis n.n. DV11
- (NE mammosus n.n. ex Watson 1889, FOERSTER & RUEMLER 1886) -> mammosus
- (NE mammosus n.n. - ex JANOUSEK 1982) -> euvelenovskiy OP
- NE/MA **mammosus** (LEMAIRE 1837) BERGER ex BACKEBERG 1959 AH7,12,24/1,49,141,144,359; DV74; FR1382; FS58,99a,125,135,158,216,220,271,293,298,312,337,344,345,426,428,468,482,483,494,511,541,549,582,583,584,587,595,598,663,668,673,674,703,710,754,775,789,833,837,855,862,868,872,874,877,923,937,950,953,955; Gf37,66,84,131,132,153,189,213,229,266,275,277,283,285,296,320,453,483,488,496,502,691,707,710,760,813,885,906,913,921,928,931,965; WG13,27,34,70,109,146,230,264,274,276; H11,28,46,62; HU24,672,673,1029,1031,1129(662),1131(664),1132(665),1151,1200,1233,1240,1256,1260,1278,1332,1360,1406,1430,1444,1560; KZ121; LB626,628,630,631,632,645,646,650,657,661,665,667,673,674,676,678,694,697,699,716,723,726,727,733,746,747,751,752,759,760,793,810,826; MGH10,16,26,54,112,120,169,154,176,226,236; JP603,604,605,630,N1,645,652,N2,N3,N5,N7,N15,N26a,N27,N35; PR248,372,404,428,648,652,734,832; R343; RWB133,175,231; HR72,72a,72b,72c,73,93,93a; S182; WRA67,85a,93,96,97,107,108a,111,115,161,173,179,183,185,189,222,231,237,241,243,261,265,290,295,327,334,345,369,421,429,430,434,438,459,468,470,476,477,533,537; KH594,642,646,744,797,874,896,904,915,946; STO1524,1526; (KRZ458) Bradleya 5: Parodia mammosa N.P. TAYLOR 1987
- Var./form: WRA40,114,128,144a,148,154,186,202,224,226,254,268,271,320,481,493,500,507; LB603,704; RWB201,204,211,213,234,294; Gf288,314,493,694,922; H14,37,93; AH24/2,134,173,185; KZ200; PR83,88,100,241,243,244,245,246,247,249,360,379a,426,546,555,626,658,678,679,680,687,695,770,812,865,946,949; S217; FS15,65,153,166,208,217,218,263,290,291,379,380,757; HU24a,24b,24d,284,1024,1032,1036,1044,1054,1073,1074,1074a,1079,1080,1110,1136(669),1162,1286,1325,1329,1407,1421,1474; DV74/e,74/2,74/7,74/8,74/10; KH603,606a,607,666,773,827,833,841,846,847,857,,859,863,866,880,884,877,891,902,916,939,959,969
- (mammosus f. HR91) -> mueller-moelleri
- (mammosus v. S159) -> concinnus v. olimarensis
- (mammosus HU807) -> ritterianus
- (mammosus f. PR95) -> mammosus v. intricatissimus
- (v. alamoensis n.n. PR245) -> mammosus f.
- v. albiarmatus n.n. PR87
- v. albispinus OSTER 1990 nom. inv. Gf972; R355; WRA139,152,310,319
- v. arapeyensis n.n. PR84
- (ssp. arapeyensis PRESTLE 1977 nom. inval.) -> mammosus v. arapeyensis n.n.
- v. arbolitoensis OSTER 1990 nom. inv.
- v. arevaloensis n.n. PR97
- (v. arbolitoensis n.n. HU284) -> mammosus f.
- v. artinensis OSTER 1990 nom. inv.
- v. **brasiliensis** HAVLICEK 1980 HU802; Gf494; WG159; PR242,372a,500,556,557,827,934,942; (KRZ453)
- (subv. meldiansis n.n. - ex Havlicek) -> mammosus f. OP
- f. buiningioides n.n. DV74/k
- (v. catalanensis n.n. PR99) -> catalanensis
- (v. caveraensis n.n. PR246) -> mammosus f.
- (v. charruanus n.n. PR76) -> submammosus f.
- v. curtinensis n.n. DV74/d; PR94

- v.floricomus (ARECHAVALETA 1905) HAVLICEK 1994 nom.inv.
 (v.floricomus f.erubescens n.n. DV74/f) -> floricomus v.flavispinus
 (v.floricomus f.spinosissimus n.n. KRZ457) -> floricomus v.spinosissimus
 v.gracilior OSTER 1990 nom.inv. DV74/g,74/g7,74/g11,74/4
 (v.gracilior HU337) -> mammulosus v.gracilispinus
 v.gracilis n.n. FS527,536; Gf305,1008; LB773; RWB186,214
 v.gracilispinus n.n. FS14,558,581,593; Gf47,51,548; AH209; HU337,1383; MGH151;
 WRA82,233,465,484,487,488,489
 RPS: mammulosus v.gracilispinus hort. ex Bergner 1990 nom.inval.
 (v.hircinus - Y.ITO) -> OP
 v.intricatissimus n.n. PR85,95
 (v.macrocanthus PR88) -> mammulosus f.
 v.marmarajensis n.n. DV74/c,74/c2,74/c3; R357
 (v.marmarajensis DV75/k) -> DV/OP
 v.masollerensis n.n. DV74/h,74/h2,74/h3
 ssp.mesetaensis PRESTLE 1977 nom.inval.
 (v.minor - Y.ITO) -> OP
 v.multiflorus OSTER 1990 nom.inv. HU288,1017
 f.nigrispinus n.n. DV74/i
 (v.palamoensis/palomaensis n.n. PR82) -> erythracanthus
 (v.pampeanus SPEGAZZINI 1905 - DV74/a2-a4) -> submammulosus v.pampeanus
 (ssp.pampeanus PRESTLE 1997 nom.inval.) -> submammulosus v.pampeanus
 v.paucicostatus OSTER 1990 nom.inv. Gf971; HU339; Gf500
 v.paulus (SCHLOSSER & BREDEROO 1980) HAVLICEK 1994 nom.inv.
 (v.pirapolisensis n.n. - Theunissen) -> OP
 f.robustior n.n. FRIC
 (v.rubra/ruber n.n. - ex FRIC 1921 - KRZ460) -> mammulosus OP
 v.rubrispinus n.n. DV74/b,74/b2,74/b3; R346
 RPS : mammulosus v.rubrispinus Oster 1990 nom.inval.
 (v.rubrispinus PR82) -> erythracanthus
 v.sarandiensis n.n. PR240
 (v.spinosior - Y.ITO) -> OP
 (v.submammulosus LEMAIRE 1839) -> submammulosus
 (f.tunuayensis n.n. - Schlosser) -> OP
 (ssp.turecekianus PRESTLE 1997 nom.inval.) -> turecekianus
 (f.uruguayensis n.n. S182) -> mammulosus
 (v.uruguayensis n.n. PR426) -> mammulosus f.
 (v.velenovskyi n.n.) -> floricomus v.velenovskyi
 (PA) mammulosa /(LEMAIRE 1837) BERGER ex BACKEBERG 1959/ N.P.TAYLOR 1987
 -> mammulosus
 (PA) mammulosa ssp.brasiliensis /HAVLICEK 1980/ HOFACKER 1998) -> mammulosus v.brasiliensis
 (PA) mammulosa ssp.erythracanthus /SCHLOSSER & BREDEROO 1985/ HOFACKER 1998) ->
 erythracanthus
 (PA) mammulosa ssp.eugeniae /VAN VLIET 1976/ HOFACKER 1998) -> eugeniae
 (PA) mammulosa ssp.submammulosa /(LEMAIRE 1839) BERGER ex BACKEBERG 1959)
 -> submammulosus
 (RI) mammulosus DOWELD 1999) -> mammulosus
 (RI) mammulosus /LEMAIRE 1837/ DOWELD 2000) -> mammulosus
 (RI) mammulosus ssp.mammulosus, nach DOWELD 2000) -> mammulosus
 (RI) mammulosus ssp.brasiliensis DOWELD 1999) -> mammulosus v.brasiliensis
 (RI) mammulosus ssp.brasiliensis /HAVL. 1980/ DOWELD 2000) mammulosus v.brasiliensis
 (RI) mammulosus ssp.erythracanthus DOWELD 1999) -> erythracanthus
 (RI) mammulosus ssp. erythracanthus /SCHL. & BRED. 1985/ DOWELD 2000) -> erythracanthus
 (RI) mammulosus ssp.eugeniae DOWELD 1999) -> eugeniae
 (RI) mammulosus ssp.eugeniae /VAN VLIET 1976/ DOWELD 2000) -> eugeniae
 (RI) mammulosus ssp.submammulosus DOWELD 1999) -> submammulosus
 (RI) mammulosus ssp.submammulosus /LEMAIRE 1839/ DOWELD 2000) -> submammulosus
 (GC) mannii n.n. - PG Frankfurt) -> tabularis
 (MC) martinii n.n. LABOURET ex FOERSTER 1846) -> sessiliflorus v.martinii
 NE/MA masollerensis n.n. WG140,150,159,272,273,275
 (GC) medinaensis n.n. HU140) -> multicostatus/carambeiensis OP



N.myriacanthus n.n.

Buining 266

- U1 **megalanthus** SCHLOSSER & BREDEROO 1981 **S163**
 (RI megalanthus DOWELD 1999) -> megalanthus
 (RI megalanthus /SCHLOSSER & BREDEROO 1981/ DOWELD 2000) -> megalanthus
- GC/OT **megapotamicus** (OSTEN 1941) HERTER 1942 DV83; FR1380d; FS107,140,161,327,522,
 556,609,753,776,778,805,845,942,966,967; Gf108,126,134,169,208,420,425,953;
 WG25,42,62,66,116,195,200,205,236; HU782,1005,1118(651),1126(659),1316,
 1339; LB572,575,796,864,903; MGH101,103,110,166; PR895; R362; S155; RWB3,106;
 WRA72,137,392,398,474,552; TI568,619
- Var./form: WRA134,227,248; Gf128,129,159,161,254,444,585; MGH66,69;
 PR105,215,220,221a,590,793,898; FS37,186,357,364,399; HU1068,1387
 (megapotamicus v.RWB202) -> megapotamicus v.multicolorispinus
 (megapotamicus AH213) -> megapotamicus v.vulgatus
 (megapotamicus v.PR417) -> linkii f.rotundus
 (megapotamicus f.S158) -> concinnus f.
 (megapotamicus f.AH61,64) -> linkii v.
 (megapotamicus f.FS241) -> ottonis
v.alacriportanus F.RITTER 1979 **FR1026** - FS273,373; Gf7,90a,860; WRA164
v.aureastigmaticus n.n. PR795
 (v.aureus n.n. - ex Janousek 1982) -> OP
 (v.catarinensis n.n. FS107) -> megapotamicus
v.crucicentrus F.RITTER 1979 **FR1380b** - Gf261
v.flavispinus (BUINING & BREDEROO 1978) ABRAHAM & BUENEKER 1992 **HU86** - DV132;
 FS281; Gf659; MGH209,210; RWB519
v.horstii F.RITTER 1979 **FR1380** - Gf442,571; MGH92; HU31
 (f.supertextus n.n. - Fa.Uhlig) -> megapotamicus v.horstii OP
v.multicolorispinus ABRAHAM & BUENEKER 1992 **RWB202**
 f.multiflorus (FRIC ex BUINING 1957) STUCHLIK 1993 nom.inv.
 GN89-125,-126,-130,-133,-308; FR1026c; LB88,221; M29; P440; (KRZ471)
v.placentiformis n.n. PR223
 (v.placentiformis FS37) -> ottonis
 (v.uruguayensis n.n. S158) -> concinnus f.
v.vulgatus F.RITTER 1979 nom.inval. FR1380a,1380c - Gf111,112,113,115,233;
 HU8,1123(656)
 (v.vulgatus AH213) -> linkii v.
 (NE meldiansis n.n. PR372a) -> mammulosus v.brasiliensis
- GC/WE **memorialis** PRESTLE 1988 **KPR4**
- GC/UE **meonacanthus** PRESTLE 1986 **PR318** - Gf354; PR319
 (PA meonacantha /PRESTLE 1986/ HOFACKER 1998) -> meonacanthus
 (RI meonacanthus DOWELD 1999) -> meonacanthus
 (RI meonacanthus /PRESTLE 1986/ DOWELD 2000) -> meonacanthus

- (GC migualensis n.n.) -> ottonis v. tortuosus OP
 (GC militaris HU176; PR535) -> ottonis f. militaris
 GC/MI **minimus** FRIC & K.KREUZINGER 1940 DV23; FS214,533,588; H21,30,31; Gf704;
 HR79,86,86a; HU92,1055,1214,1283,1414,1416; KZ133,159; LB683; PR107; R364; S198a;
 WRA98,102,112; JP682; KH569,611,625,829,918
 Var./form: DV23/3,23/4; FS394; HU1126; PR571
 (v. albispinus n.n. PR107) -> minimus
 f. albispinus n.n. KZ134; S198
 f. aureispinus n.n. S198b
 v. maximus n.n. KPR62/S197
 (v. tacuarembensis n.n. - ex Janousek 1982) -> minimus f.
 v. **tenuicylindricus** (F.RITTER 1970) HAVLICEK 1989 **FR1361**; AH135,140,143,146; DV23/a;
 FS66,79,395,454,692,832,841; Gf280,287, 291,504,803; WG161; HU34,1321,1330,1333;
 LB766,769; PR252,253,516,662; R356; RWB169,178; WRA77,83,90,168,170,188,217,
 235,240,452,472
 f. atypicus n.n. PR251b
 f. caveraensis n.n. PR251
 f. maior n.n. FS45; PR250
 (PE minimus DOWELD 1999) -> minimus
 (NO/no minimus, nach DOWELD 2000) -> minimus
 GC/OT **minusculus** HOFACKER & HERM 1996 **AH71** - AH78,380; HU1296,1302; PR319a
 (PE minusculus DOWELD 1999) -> minusculus
 (NO/no minusculus, nach DOWELD 2000) -> minusculus
 (U1 mosquitensis/mosquitoensis n.n. S163) -> megalanthus
 (GC muegelianus n.n. HU82; RWB47) -> horstii v. muglianus
 NE/MM **mueller-melchersii** FRIC ex BACKEBERG & KNUTH 1935 DV35; FS16,586,834,876,949;
 Gf699,805; HU94; JP675,707,749; PR677; R371; WRA167; KH630,632,888,905,906,908
 Bradleya 5: Parodia mueller-melchersii N.P.TAYLOR 1987
 Var./form: WRA133,182; KZ154a; FR1464; S153,214,215; FS61,381,382; HU91,1218; PR945
 (mueller-melchersii v. S152) -> mueller-melchersii v. elongatus
 (mueller-melchersii PR230) -> rauschii v. caveraensis
 (v. colorispinus n.n. S160) -> winkleri
 (v. elegans n.n. DV39; R371c) -> winkleri
 v. elongatus n.n. S152
 (v. ferrugineus n.n. S153) -> mueller-melchersii f.
 (v. gracilis n.n. S152) -> mueller-melchersii v. elongatus
 f. **gracilispinus** (KRAINZ 1942) KRAINZ 1962 HU94a; R371d; WRA132
 (v. gracilispinus PR231) -> mueller-moelleri v. caveraensis
 f. longispinus n.n. HU95
 (v. multicolorispinus n.n. S160) -> winkleri
 (v. nigripinus n.n. R371b) -> eugeniae
 (f. rosea/roseus n.n.) -> winkleri OP
 (v. tacuarembensis n.n. HU91) -> mueller-melchersii
 (PA mueller-melchersii /FRIC ex BACKEBERG & KNUTH 1935/ N.P.TAYLOR 1987) ->
 mueller-melchersii
 (PA mueller-melchersii ssp. gutierrezii /ABRAHAM 1988/ HOFACKER 1998) -> gutierrezii
 (PA mueller-melchersii ssp. winkleri /VAN VLIET 1975/ HOFACKER 1998) -> winkleri
 (RI mueller-melchersii DOWELD 1999) -> mueller-melchersii
 (RI mueller-melchersii /FRIC ex BACKB. & KNUTH 1935/ DOWELD 2000) -> mueller-melchersii
 (RI mueller-melchersii ssp. mueller-melchersii, nach DOWELD 2000) -> mueller-melchersii
 (RI mueller-melchersii ssp. gutierrezii DOWELD 1999) -> gutierrezii
 (RI mueller-melchersii ssp. gutierrezii /ABRAHAM 1988/ DOWELD 2000) -> gutierrezii
 (RI mueller-melchersii ssp. winkleri DOWELD 1999) -> winkleri
 (RI mueller-melchersii ssp. winkleri /VAN VLIET 1975/ DOWELD 2000) -> winkleri
 NE/MM **mueller-moelleri** FRIC ex FLEISCHER & SCHUETZ 1976 **S151** - FS209; WG140a; HR91;
 WRA47,92; (KRZ463)
 Var./form: PR299; FS68
 (mueller-moelleri HU95) -> mueller-melchersii f. longispinus
 (mueller-moelleri v. FS14) -> mammulosus v. gracilispinus
 (mueller-moelleri v. FS153) -> mammulosus f.
 v. caveraensis n.n. PR231
 (v. caveranaensis PR230) -> rauschii v. caveranaensis

- GC/CO **multicostatus** BUINING & BREDEROO in KRAINZ 1973 HU100 - AH354,
355; DV9/23; FS260,447,449,915,917; Gf196,201,347,414,562,602,731,
733,734,812; H82,88; HU1465,1471; KZ126a; PR462,475,584,663; R360; WRA64,360
Var./form: PR312,558,559,735
(multicostatus n.n. DV103/a) -> DV/OP
v.umbriuspinus n.n. FS259,441; PR311
(MC multicostatus n.n.) -> multicostatus
(multicostatus n.n. PR127) -> acuatus
(GC multiflorus n.n. - ex Buining) -> OP
GC/OT **muricatus** (PFEIFFER 1837) BERGER ex BACKEBERG & KNUTH 1936
DV135; FR1267,1267a,1381,1381a; FS90,139,959; Gf121,125b,255,417,526,527,574,
578,773; WG35,46,47,56,186,189,193; HU19,1092; MGH105,164,244; WRA285
Var./form: DV135/a,135/b; HU780,1067; PR414,563
(v.albispinus/-fuscus n.n.) -> muricatus OP
(f.flavifuscus/-spinus n.n. FR1381,1381a; Gf255) -> muricatus
(f.flaviflorus n.n. Gf255) -> muricatus
f.monticola/monticolus n.n. PR227, Gf419
(v.monticolus FS90) -> muricatus
f.robustus n.n. Gf125
(PA muricata /PFEIFFER 1837/ HOFACKER 1998) -> muricatus
(PE muricatus DOWELD 1999) -> muricatus
(NO/no muricatus, nach DOWELD 2000) -> muricatus
NB myriacanthus n.n. HU185
v.longispinus n.n. HU186



Ein NO-spec. (Malacocarpus) in Kultur

- MC **neoarechavaletae** (K.SCHUMANN ex SPEGAZZINI 1905) HAVLICEK 1989
AH177; DV14,14/1,14/2; FS388,645,656,671,735; Gf407,719,723,748; H72;
HR99,107; HU294,677,1364,1455; KZ151; PR78; R351; WRA15,18,41,42,306;
KH437,481,749,763,983; (KRZ12)
Var./form: WRA317; AH357; Gf744; PR657; HU1241
(neoarechavaletae DV14/a) -> neoarechavaletae v.maldonadensis
(v.horridispinus n.n. PR115) -> horridispinus
(v.kovarikii/kovaricii HAVLICEK 1980) -> kovarikii
RPS: neoarechavaletae v.kovarikii Havlicek 1989 nom.inval.
f.**kovarikii** (FRIC 1922) NEDUCHAL 1999 Gf722; JP730
v.**maldonadensis** (HERTER 1930) HAVLICEK 1994 DV14/a,14/c; R352; KH441a,455
v.marchesii n.n. DV14/b
v.miguelianus n.n. PR656,702
v.nivosus n.n. PR697,698
Form: PR698
(PA neoarechavaletae /(K.SCHUMANN ex SPEGAZZINI 1905) HAVLICEK 1989/
D.R.HUNT 1997) -> neoarechavaletae
(WI arechavaletae /K.SCHUM. ex SPEGAZZINI 1905/ D.M.PORTER 1964, nach DOWELD 2000) ->
neoarechavaletae

- (CO neoblaauwianus n.n. PR106a) -> blaauwianus f. nigrispinus
 GC/SC **neobuenekeri** F.RITTER 1979 **FR1397** - AH91; FS194,618,621;
 Gf22,24; WG126; HU14; LB922; MGH146; PR337,377,654; WRA375,378
 (GC neofuscus n.n. - Fa.Uhlig) -> OP
 MC **neohorstii** (F.RITTER 1979) THEUNISSEN 1981 **FR1402a** - AH42;
 DV123; FS181,251,254,331,437,490,614,616,725,726; Gf19,171,188,555;
 WG125,133; HU15,1305; LB920; MGH47,144,145,150; PR355,398; WRA380
 Var./form: PR338,960
 (neohorstii MGH137) -> neohorstii v. juvenaliformis
 (v. flavifloridus n.n. PR120) -> nivosus v. albiflorus
 f. **juvenaliformis** (F.RITTER 1979) N.GERLOFF 1993 **FR1402** - AH83;
 DV123/22a; FS617; Gf770; HU21,21a; MGH137
 v. **prestlei** N.GERLOFF 1995 **FS368** - FS633; Gf53,381,382; WG231; LB870; PR361;
 WRA367
 (PA neohorstii (F.RITTER 1979) THEUNISSEN 1981/ N.P.Taylor 1987) -> neohorstii
 (PE neohorstii DOWELD 1999) -> neohorstii
 (WI nothohorstii DOWELD 2000) -> neohorstii
 (GC neoottonianus - Y.Ito) -> ottonis (v./f. ?)
 (NB neoebelmannianus n.n. - Theunissen) -> OP



N.sessiliflorus f. vorwerkianus aus Kolumbien A.J.Wanie aac

- NO **nigrispinus** (K.SCHUMANN 1899) SCHAEFER 1980 AA21,37,43,84,92;
 HU306; LB98,108; M44; P454
 (PA nigrispina /K.SCHUMANN/ BRANDT 1982) -> nigrispinus
 GC/CO nigroleptacanthus n.n. PR416
 (GC nilsonii n.n. PR239; Stockinger) -> uebelmannianus v. nilsonii
 MC nivosus n.n. PR122
 RPS: nivosus PRESTLE 1984 nom.inval.
 v. albiflorus n.n. PR120
 RPS: nivosus v. albiflorus Prestle 1990 nom.inval.
 v. clavarioides n.n. PR116
 v. gracilis n.n. PR845
 v. gracilispinus n.n. PR121
 NE/MA notabilis n.n. PR236; S218/2
 RPS: notabilis DUPAL 1988 nom.inval.
 v. longispinus n.n. PR951
 (PA nothominuscula HOFACKER 1998 Nom.nov.) -> minusculus
 (PA nothominuscula ssp. gravior HOFACKER 2000) -> minusculus
 (PA nothorauschi D.R.HUNT 1997 Nom.nov.) -> rauschii
 GC/CO obscurus n.n. PR81a
 RPS: obscurus PRESTLE 1996 nom.inval.
 (GC oligacanthus n.n. -> minusculus
 GC/CO olimarensis n.n. PR93,848
 RPS: olimarensis PRESTLE 1985 nom.inval.

- (MC oreophilus n.n. PR355) -> neohorstii
 NE/MA **orthacanthus** (LINK & OTTO 1827) VAN VLIET 1970 DV71 - FS265,
 319,416,826; WG157; Gf297,692; HU334,506,1023; PR108,552; R372; WRA206
 Var./form: FS215a,215b
 (NE orthacanthus n.n. HU24a) -> mammulosus f.
 (orthacanthus DV68) -> DV/OP
 (GC orthogonus n.n.) - KuaS 1980 OP
 (MC orthorachis n.n. KZ129) -> cephalophorus OP
 (GC ottoianus Y.lto) -> ottonis (v./f. ?)
 GC/OT **ottonis** (LEHMANN 1828) BERGER ex BACKEBERG 1959 AH2,5,9,13,15,26,28,31,34,
 35,39,51,56,57,59,62,65,69,82,85,88,99,104,111,148,150,157,161,170,181,184,193,
 195,208,348,365,383; DV79/.....; FR1265,1266a,1266b; FS7,38a,41,44,47,110,112,114,
 123,128,132,149,160,165,175,184,198,200,226,241,245,252,256,261,276,278,289,
 294,396,402,451,458,459,463,467,469,475,498,508,528,551,557,560,607,611,624,637,
 667,686,702,724,727,736,740,744,747,748,772,787,798,801,804,823,847,853,854,
 861,863,884,888,904,916,918,938,965; Gf1,4,13,15,21,26,27,34,39,41,43,45,48,49,50,62,
 64,70,79,85,94,95,96,98,101,109,110,144,160,162,163,168,173,177,178,182,187,191,197,
 199,203,204,207,211,214,219,221,230,235,248,276,281,289,312,319,324,352,362,369,
 373,374,378,387,402,408,433,435,438,481,485,488,528,538,543,553,556,563,581,589,
 597,603,606,622,630,653,701,709,718,750,755,766,768,774,775,787,802,810,822,
 826,834,838,843,849,852,859,864,866,867,874,880,882,887,891,896,908,932,935,966,973,
 1004; HU11,32,486,487,679,808,1011,1041,1056,1066,1102,1109,1134(667),1147,1226,
 1277,1292,1294,1311,1334,1348,1356,1372,1382,1403,1517,1518; H2; KZ150; LB251,715,
 772,789,792,795,799,803,807,815,823,831,835,865,868,882,886,894,898,901,902,904,910,
 913,917,924,927,931,933; MGH6,8,12,15,18,29,30,35,38,40,44,56,61,63,65,67,70,75,77,
 81,82,83,84,89,90,93,94,97,126,128,131,136,138,143,149,152,157,160,162,163,178,182,
 183,186,189,192a,194,217,219,220,230,231; GN89-136,-137,-336; WG8,11,14,17,19,20,
 32a,37,41,58b,82,83,95,153,171,203,216,246,277; PR201,217a,332,345,353,362; R339;
 RWB242,295; S203; WRA2,10,28,30,33,45,48,51,63,89,104,108,110,118,130,135,
 138/1,157,159,178,194,204,220,229,244,275,291,326,329,333,338,342,349,377,400,403,
 407,420,427,439,466,469,472a,499,521,525,529,544,548; KPR46,47,48,49; (KRZ475);
 HR75,88a,88b,95,96,96a,96b,102,102a; KH624,761,771,796,803,816,820,828,878,920,922;
 JP620,663,679,683,686,690,697,N13,N17, N18,N22,N34,747,768,999
 Var./form: WRA39,44,99,124,127,155,176,363,411,491; RWB65,187,269; Gf61,68,89,107,193,
 194,228,357,392,393,394,398,405,573,673; MGH246; H113; AH37,70,205,380; KZ124,
 124b,130,131,139; (KRZ468,474); PR129,206,209a,339,378,446,447,450,684,685,686,
 709,710,715,725,786,811,822,823,854,866,871,872,874,877,887,889,897,901,902,903,
 912,956,961,963,965,967,969,971; FS143,147,162,178,210a,210b,362,371,525,579,643;
 HU35,37,367,671,980,1007,1028,1045,1067,1069,1098,1124(657),1160,1186,1211a,
 1295,1376,1379,1492,1524,1562,1581; DV79/2-19,79/22-29,79/31-37,79/40; S164;
 JP620,663,667,679,683,686,690,N22,747,768,999; KH435,452,485,532,574,627,831,895
 (ottonis Gf55,82; HU416; KPR50/S175) -> arechavaletae
 (ottonis Gf278) -> harmonianus
 (ottonis HU689) -> ottonis v.paraguayensis
 (ottonis WRA81) -> ottonis v.globularis
 (ottonis FS17) -> arechavaletae v.aureus
 (ottonis v.FS19) -> ottonis f.
 (ottonis f.PR104) -> callianthus
 (ottonis v.PR105) -> megapotamicus f.
 (ottonis v.PR204) -> glaucinus
 (ottonis v.PR207,208) -> oxycostatus f.securituberculatus
v.acutangularis F.RITTER 1979 **FR1266c** - FS88; Gf123; HU180; MGH113
 (v.afilarensis n.n. S164) -> ottonis f.
 (v.alacriportanus n.n.) -> megapotamicus v.alacriportanus OP
 (v.albispinus BACKEBERG 1962 - Schlosser) -> linkii v.albispinus
 (f.arbolitoensis n.n. - Prestle) -> OP
 (v.arechavaletae n.n. KPR50/S175) -> arechavaletae
 (v.arechavaletae KPR46/S171) -> ottonis
 (v.batoviensis n.n. PR102) -> batoviensis
 v.blossfeldianus/f.Expedition Blossfeld n.n.
 (v.brasiliensis HAAGE Jr. 1914 - FR1026) -> megapot. v.alacriportanus
 (v.brasiliensis FR1026a) -> linkii

(v.buenekeri n.n.- Ritter/Theunissen) -> linkii v.buenekeri OP
 (v.cacapavensis/-vanus n.n. FS160; HU11; PR201; S203) -> ottonis
 (v.cacapavensis HU65) -> HU/OP
 (v.caespitosus n.n. - Theunissen) -> OP
 (v.calliantus n.n. PR104) -> callianthus
 (v.campestrensis n.n. HU23) -> campestrensis
 (v.campoensis/campoerensis n.n. HU187) -> linkii f.
 v.chrysanthus n.n. PR310
 (f.Dehmel - Theunissen) -> OP
 (f.densispinus n.n.) -> nom.dub.
 (v.denudatus n.n. KZ126b) -> ottonis v.schuldtii



N.nivosus v.clavarioides n.n. PR 116 CZ 115

f.**elegans** BACKEBERG 1949 FS18a; Gf92,93; MGH74,88; PR309,712,910
 (v.glaucus n.n. - Theunissen) -> glaucinus OP
 v.**globularis** (F.RITTER 1979) BERGNER 1988 **FR1388** - FS355,378;
 HU1135(668); Gf507; WG248; LB761,768; RWB170; WRA76,81,453,461
 (v.grandiensis n.n. - Schaefer 1986) -> glaucinus OP
 (v.grandiflorus n.n. - Theunissen) -> ottonis f. OP
 (v.guaibensis n.n. PR210) -> linkii v.guaibensis
 (v.haseltonianus n.n. - Fa.Uhlig) -> linkii OP
 (f.incatus n.n. - ex Janousek 1982) -> nom.dub.
 (v.janousekianus PAPOUSEK 1975) -> ottonis cv. Janousek
 cv.**Janousek** (PAPOUSEK 1975) HAVLICEK 1993
 (f.Knespli - Theunissen) -> OP
 (f.knippelianus n.n. - Theunissen) -> OP
 (v.linkii n.n. - Fa.Donkelaar) -> linkii
 (v.longispinus n.n. - Theunissen) -> ottonis OP
 (v.machadoensis FS362; PR209) -> ottonis v.
 (v.maldonadensis n.n.) -> nom.dub.
 (v.megapotamicus n.n. - Buining) -> megapotamicus OP
 (v.migualensis/nugualensis n.n.) -> ottonis v.tortuosus OP
 f.militaris n.n. HU176; PR535
 f.minasensis n.n. DV79/a; FS524,591; R374
 (v.minasensis n.n. DV69/a) -> non Notocactus DV/OP
 v.miniatiformis n.n. PR731
 (f.minusculus n.n. - ex Janousek 1982) -> OP
 (f.mistiensis n.n. - Dehmel) -> OP
 (v.multicostatus n.n. KZ124a) -> multicostatus
 (v.multiflorus FRIC ex BUINING 1957) -> megapotamicus f.multiflorus
 v.nigrispinus n.n. DV79/20,79/21; FS389,521
 (v.nigrispinus n.n. R374) -> ottonis v.minasensis

- RPS: *ottonis* v. *nigrispinus* Lueck 1987 nom.inval.
 (v. *oligacanthus* n.n. PR319a) -> *oligacanthus* -> *minusculus*
 (v. *pallit/dior* MONVILLE in LEHMANN 1839) -> *ottonis* OP
 (v. *pampeanus* n.n. - Theunissen) -> *ottonis* v. *tortuosus* OP
 v. *pantanoensis* n.n. PR258
 (v. *pantanoensis* v. FS17) -> *arechavaletae* v. *aureus*
 v. **paraguayensis** (HAAGE jr. 1896) BERGER ex BACKEBERG 1959 AA9,14,24,46,47,57,
 58,62,87,109,112,113, 120,121,122; FR1488; FS341; HU688,689; LB18,41,84,90,101,102,
 104; M7,15,26,31,36,37,39; P414, 424,437,442,448,449,451; (KRZ472)
 (v. *paucispinus* n.n.) -> *oxycostatus* v. *acutus* OP
 v. *pectinatus* FRIC nom.sol.
 f. *pseudoacutus* n.n. FS499; Gf76
 f. *rubrispinus* n.n. PR202
 (v. *rubrispinus* n.n. FS41; PR202; HU32) -> *ottonis*
 RPS: *ottonis* subvar. *rubrispinus* PRESTLE 1996 nom.inval.
 v. *rufispinus* n.n. FS262; HU38
 v. **schuldtii** K.KREUZINGER 1948 Gf122,124b,524,575; HU1093;
 KZ126b; MGH107,108,165,245; KPR43/S168; (KRZ473)
 f. *segredoensis* n.n. PR203,203a
 (v. *spinossior* MONVILLE in LEHMANN 1839) -> *ottonis* OP
 (v. *stenogonus* BACKEBERG 1962 - Schlosser) -> *ottonis* v. *schuldtii*
 (v. *tenebrosus* n.n. K135b) -> *linkii* f.
 (v. *tenuispinus* K.SCHUMANN 1879 - PR332) -> *ottonis*
 v. *tortuosus* (LINK & OTTO 1830) BERGER ex BACKEBERG 1959 FS163;HU1239; KZ132;
 KPR45/S170; PR256,869; R370
 (v. *tortuosus* n.n. DV79/....) -> *ottonis*
 (v. *uruguayus/uruguayanus* Schlosser; KRZ475) -> *ottonis*
 v. *uruguayensis* n.n. HU1211,1222,1228
 (v. *vargasensis* n.n. HU37) -> *ottonis* v.
 (v. *vencluianus/vencluvianus* SCHUETZ 1965) -> *ottonis* cv. *Venclu*
 cv. **Venclu** (SCHUETZ 1965) HAVLICEK 1993
 (v. *villa-velhensis* n.n. DV130,140/a; HU140b) -> *carambeiensis* v. *villa-velhensis*
 (PA *ottonis* /(LEHMANN 1828) BERGER ex BACKEBERG 1959/ N.P.TAYLOR 1987) -> *ottonis*
 (PA *ottonis* ssp. *horstii* /F.RITTER 1979/ HOFACKER 1998) -> *arechavaletae* v. *horstii*
 (NO/no *ottonis* ssp. *horstii* /F.RITTER 1979/ DOWELD 2000) -> *arechavaletae* v. *horstii*
 (PA *ottonis* var. *tortuosa* /(LINK & OTTO 1830) BERGER ex BACKEBERG 1959/N.P.TAYLOR 1987) ->
ottonis v. *tortuosus*
 (PE *ottonis* DOWELD 1999) -> *ottonis*
 (PE *ottonis* ssp. *horstii* DOWELD 1999) -> *arechavaletae* v. *horstii*
 (NO/no *ottonis*, nach DOWELD 2000) -> *ottonis*
 (NO/no *ottonis* ssp. *ottonis*, nach DOWELD 2000) -> *ottonis*
 GC/OT **oxycostatus** BUINING & BREDEROO 1972 FS229,964; Gf167,342,434,577,580,833,986;
 WG24,89,90b,93,113,118,165,185,188; HU299; LB899; PR346; RWB113; WRA405
 Var./form: PR772; Gf443,572
 f. **acutus** (F.RITTER 1979) N.GERLOFF 1993 **FR1377** - DV79/38,
 79/39,79/41,79/42; FS92,106,203,282,555,968,969; Gf118,231,232,344,359,567;
 HU57,175; PR216,218; WRA519 subf. RWB267; HU175a
 f. **miniatispinus** (F.RITTER 1979) N.GERLOFF 1993 **FR1375** - Gf119; MGH173
 (v. *rubellianus* n.n. - ex Janousek 1982) -> OP
 f. **securituberculatus** (F.RITTER 1979) N.GERLOFF 1993 **FR1377a** - Gf120,456,952;
 WG17b,21,90,43,44,190; HU181; PR207,208,219,444,891; RWB107; WRA394,399
 (v. *subplanus* n.n. - ex Janousek 1982) -> OP
 (PA *oxycostata* /BUINING & BREDEROO 1972/ HOFACKER 1998) -> *oxycostatus*
 (PA *oxycostata* ssp. *gracilis* /F.RITTER 1979/ HOFACKER 1998) -> *glaucus* v. *gracilis*
 (PE *oxycostatus* DOWELD 1999) -> *oxycostatus*
 (PE *oxycostatus* ssp. *gracilis* DOWELD 1999) -> *glaucus* v. *gracilis*
 (NO/no *oxycostatus* ssp. *gracilis* /F.RITTER 1979/ DOWELD 2000) -> *glaucus* v. *gracilis*
 (NO/no *oxycostatus*, nach DOWELD 2000) -> *oxycostatus*
 (NE *pampeanus* SPEGAZZINI 1896 - R105) -> *submammulosus* v. *pampeanus*
 (*pampeanus* v. *rubellianus* - Y.ITO) -> OP
 (*pampeanus* v. *subplanus* - Y.ITO) -> OP
 (GC *pantanoensis* n.n. PR258a) -> *arechavaletae* v. *aureus*

- GC/OT paradoxus n.n. DV145
 (GC paraguayensis n.n. - ex Buining) -> ottonis v. paraguayensis OP
 (GC parviflorus n.n. DV9/c) -> concinnus v. parviflorus
 NB parvus n.n. HU72
 (MC pauciareolatus /ARECHA VALETA 1905/ KRAINZ 1966 - DV38; AH191; H54,60, 73; HU1436,1442,1456; WRA140) -> sellowii f. pauciareolatus
 (pauciareolatus HU293) -> sessiliflorus f. pauciareolatus
 (f. ernestii n.n. - ex Janousek 1982) -> sellowii f. pauciareolatus OP
 (v. sessiliflorus n.n. - Theunissen) -> sessiliflorus f. pauciareolatus
 (WI pauciareolata DOWELD 1999) -> sellowii f. pauciareolatus
 (GC paucispinus/paucicostatus n.n.) -> oxycostatus f. acutus OP
 NE/MA **paulus** SCHLOSSER & BREDEROO 1980 **S161**
 (BP pelotasensis n.n. HU40) -> catarinensis



N. concinnus f. pororensis n.n. DV9/e/68 Gabriel 306

- NE/MA **permutatus** F. RITTER 1979 **FR1455** - Gf611,759
 (PA permutata /F. RITTER 1979/ HOFACKER 1998) -> permutatus
 (RI permutatus DOWELD 1999) -> permutatus
 (RI permutatus /F. RITTER 1979/ DOWELD 2000) -> permutatus
 (GC pleiocephalus n.n. Gf52; FS243; PR336) -> uebelmann. v. pleiocephalus
 (GC polancoensis n.n. PR89) -> concinnus v. polancoensis
 (MC poly/iacanthus /LINK & OTTO 1827/ THEUNISSEN 1981 - FR1273; WRA417; PR282,452,909,970,975) -> langsdorfii
 (polyacanthus WRA293) -> langsdorfii f. prolifer
 (polyacanthus WRA367; FS368) -> neohorstii v. prestlei
 (polyacanthus v. discophalium n.n. PR361) -> neohorstii v. prestlei
 (polyacanthus f. PR909) -> langsdorfii
 (MC prestlei n.n. Gf53; FS368) -> neohorstii v. prestlei
 (MC prolifer /F. RITTER 1979/ THEUNISSEN 1981 - FR1403; HU4,4a; PR281) -> langsdorfii f. prolifer
 (prolifer PR282) -> langsdorfii
 (GC pseudoacutus n.n. Gf124b; MGH245; KPR43/S168) -> ottonis v. schuldtii
 (GC pseudoblaauwianus n.n. KPR61/S208; PR106) -> blaauwianus
 (pseudoblaauwianus v. nigrispinus n.n. PR106A) -> blaauwianus f. nigrispinus
 (NE pseudoeremiticus n.n. - CSSR) -> arnostianus/blaauwianus OP
 (GC pseudoherteri BUINING 1971 - HU342; PR237; FS63) -> herteri v. pseudoherteri
 GC/OT pseudomuricatus n.n. WG15,96,192,196,211,253,278
 MC pseudopulvinatus n.n. DV36; KPR58/S199; S200; WRA36
 RPS: pseudopulvinatus N. GERLOFF 1987 nom. inval.
 (NE pseudorutilans n.n. DV41) -> eugeniae
 (pseudorutilans v. microfloridus n.n. DV41/a) -> eugeniae v. microfloridus DV/OP
 (pseudorutilans v. minimus n.n. DV40) -> veenianus

- (MC pulvinatus VAN VLIET 1970 DV25 - FS507; Gf593,595,756; R359; WRA46) -> langsdorfii v.pulvinatus
- (MC pulvinatus v.pseudopulvinatus n.n. DV36) -> pseudopulvinatus
- (GC purpureus F.RITTER 1970 - FR1268; HU20a,813,814; MGH100; AH226) -> horstii v.purpureus (purpureus v.muegellianus n.n. HU20a-d,82) -> horstii v.muglianus
- (GC pygmaeus uncinatus FRIC 1934) -> minimus
- (GC quevedoi n.n. PR218) -> oxycostatus f.acutus
- U1 **rauschii** VAN VLIET 1969 **DV34** - AH130; FR1379c; FS12,334,335,376,457,693,835,838, 934; Gf154,503,812; WG160; HU1320a; LB764; R373; RWB200; WRA80,88,219, 221,223,236,460,471,473
Var./form: HU1203
(rauschii v.FS16) -> mueller-melchersii v.caveraensis n.n. PR230
- (RI rauschii DOWELD 1999) -> rauschii
- NB **rechensis** BUINING 1968 FR1463; Gf942; HU98; WRA553
KOR 1982: Parodia rechensis BRANDT
(f.aureispinus n.n.) -> nom.dub. OP
- (PA rechensis /BUINING/ BRANDT 1982) -> rechensis
- (BC rechensis DOWELD 1999) -> rechensis
- (BC rechensis /BUINING 1968/ DOWELD 2000) -> rechensis
- (BP rechensis /BUINING 1968/ F.RITTER 1979 nom.inval.) -> rechensis
- (GC rengglianus n.n. HU476) -> stockingeri v.
- (GC rengglianus n.n. v.durispinus n.n. FS141a) -> stockingeri v.
- (GC riosusannensis n.n. PR412) -> linkii f.riosusannaensis
RPS: riosusannensis PRESTLE 1985 nom.inval.
- U2 **ritterianus** KOLARIK & LISAL 1986 **HU338** pro parte - AH369; FS554,687,924; Gf220,225, 226,307b,313,316,617; HU805,807,822; PR816; WRA446
- NE/MM **roseiflorus** SCHLOSSER & BREDEROO 1978 **S150**
- U1 **roseoluteus** VAN VLIET 1973 **DV75/3** - DV75; HU1030; WRA86
- (GC rotherianus QUEHL 1899) -> schumannianus
- (MC rubricostatus /FRIC ex FLEISCHER & SCHUETZ 1975/ SCHAEFER 1980 - PR111,279; KRZ16) -> sellowii f.rubricostatus
(rubricostatus PR280) -> langsdorfii
- (GC rubricurvispinus n.n. HU97) -> vanvlietii
- (GC rubriflorus /KOLISCHER/FRIC 1934/ MARSHALL 1949 - KRZ465) -> herteri OP
- (NO rubrigemmatum ABRAHAM 1988 - S156; WRA126) -> concinnus v.rubrigemmatum
- (NE rubrispinus n.n. DV74/b) -> mammulosus v.rubrispinus
- (GC rubrispinus n.n. HU32) -> ottonis
- NE/MA **rubropedatus** F.RITTER 1979 **FR1484**
- GC/SC **rudibuenekeri** ABRAHAM 1988 **WRA355** - AH100; FS191; HU1000; LB911; MGH158; RWB32
- (PA rudibuenekeri /ABRAHAM 1988/ HOFACKER & P.J.BRAUN 1988) -> rudibuenekeri
- (PA rudibuenekeri ssp.glomeratus /N.GERLOFF 1991/ HOFACKER 1998) -> glomeratus
- (PE rudibuenekeri DOWELD 1999) -> rudibuenekeri
- (NO/sc rudibuenekeri, nach DOWELD 2000) -> rudibuenekeri
- (NO/sc rudibuenekeri ssp.rudibuenekeri DOWELD 2000) -> rudibuenekeri
- (PE rudibuenekeri ssp.glomeratus DOWELD 1999) -> glomeratus
- (NO/sc rudibuenekeri ssp.glomeratus /N.GERLOFF 1991/ DOWELD 2000) -> glomeratus
- GC/MI **ruoffii** N.GERLOFF 1993 **HR88**
- NE/MM **rutilans** DAENIKER & KRAINZ 1948
(f.grandiflorus n.n.) -> erythracanthus OP
(v.jasminofloridus/jasminiflorus n.n. S150) -> roseiflorus
(v.longispinus n.n. HU95) -> mueller-melchersii f.longispinus
(v.microfloridus n.n.) -> eugeniae OP
(v.rubrispinus n.n.) -> erythracanthus OP
cv.**Stor** (PAZOUT 1966) HAVLICEK 1993
(f.storianus PAZOUT 1966) -> rutilans cultivar Stor
- (PA rutilans /DAENIKER & KRAINZ 1948/ N.P.TAYLOR 1987) -> rutilans
- (PA rutilans ssp.veenianus /VAN VLIET 1974/ HOFACKER 1998) -> veenianus
- (RI rutilans DOWELD 1999) -> rutilans
- (RI rutilans /DAENIKER & KRAINZ 1948/ DOWELD 2000) -> rutilans
- (RI rutilans ssp.rutilans, nach DOWELD 2000) -> rutilans

- (RI rutilans ssp.veenianus DOWELD 1999) -> veenianus
 (RI rutilans ssp.veenianus /VAN VLIET 1974/ DOWELD 2000) -> veenianus
 (MC schaeferianus /ABRAHAM & THEUNISSEN 1988/ HAVLICEK 1988 AN383; H66;
 HR65; HU1449; WRA162,163) -> turbinatus f.schaeferianus
 RPS: Wigginsia schaeferiana ABRAHAM & THEUNISSEN 1988
 HR65; HU1449; WRA162,163) -> turbinatus f.schaeferianus
 RPS: Wigginsia schaeferiana ABRAHAM & THEUNISSEN 1988
 U1 **schlosseri** VAN VLIET 1974 **DV4** - HR106; HU491; S157; WRA21; DV157 -> OP
 (NO schuldtii n.n.) -> ottonis v.schuldtii



N.myriacanthus v.longispinus n.n. Buining 267

- NO **schumannianus** (NICOLAI 1893) FRIC 1928 FR1182; LB239; (KRZ452)
 (schumannianus HU307) -> schumannianus f.ampliocostatus
 (v.albispinus n.n. KZ147a) -> schumannianus f.ampliocostatus
f.ampliocostatus (F.RITTER 1979) NEDUCHAL 1997 FR1247b, FR 1247,
 1247a; AA4; HU307; KZ147a; LB109; M43
 (v.brevispinus n.n.) -> schumannianus OP
 (v.buchheimianus /HAAGE jr. 1995/ QUEHL 1889) -> schumannianus
v.grossei (K.SCHUMANN 1899) NEDUCHAL 1997 AA103; FR1182b; HU698; LB54; M17
 (f.nigrispinus (K.SCHUMANN 1899) NEDUCHAL 1997 AA21,37,43,84,92; HU306; LB98,108;
 M44; P454) -> nigrispinus
 (ssp.nigrispinus T.ENGEL 1990 nom.inval.) -> nigrispinus
 (v.nigrispinus - Y.ITO) -> nigrispinus
 (f.rotheriamus QUEHL 1899) -> schumannianus
 (PA schumanniana /NICOLAI/ BRANDT 1982) -> schumannianus
 (PA schumanniana ssp.claviceps/F.RITTER 1966) KRAINZ 1967/ HOFACKER & P.J.BRAUN ex
 HOFACKER 1998) -> claviceps
 (EC/ec schumannianus, nach DOWELD 2000) -> schumannianus
 GC/SC **scopa** (SPRENGEL 1825) ex BACKEBERG 1959 AH1,176,186; DV73,73/a; FR1393a;
 FS113,130,150,155,228,277,330,491,660,680; Gf10,46,409,717; WG101,243; HR103,103a;
 HU291,1242,1268,1273,1289,1366,1368,1453; KZ591; MGH4,123,153; H70; PR704; R349;
 RWB112,128; WRA1,7,17,23,32,160,312,328,339,404,416,545; JP740,757;
 KH441,445,747,752,756,975,977
 Var./form: WRA300,364,410; LB875; RWB56,61,119; Gf16,28,56,75,726; H52,52a,98; AH74,187,
 188,199,346,352,379; PR228,315,352,357,659,856,862; FR1393,1393b; FS95,172,280,
 390,429,431,495; S177,179; HU1,52,1299,1375,1434,1434a,1478; MGH133;
 DV73/2,73/3,73/5
 (scopa v.AH84) -> glomeratus
 (scopa f.Gf356) -> glomeratus
 (scopa v.WRA341) -> scopa f.daenikerianus
 v.albescens n.n. WRA9,313

- v.albicans** (ARECHAVALETA 1905) HOFACKER 1990
f.albilanatus JAHN 1969
 (f.albilanatus S179) -> scopa f.
 (v.albispinus n.n. - ex Janousek 1982) -> nom.dub.
f.applanatus n.n. PR300
 (v.aureispinus n.n. FS100) -> scopa v.daenikerianus
 (f.brasilensis n.n. HU1; PR228) -> scopa f.
 (f.brasiliensis n.n. FS113) -> scopa
 (v.brunnei-/brunispinus n.n. HU52) -> scopa f.
 (f.caespitosus n.n. - ex Janousek 1982) -> OP
 (f.candicans n.n. - ex Janousek 1982) -> nom.dub.
f.candidus (PFEIFFER 1837) KRAINZ 1961
f.caputproliferans n.n. FS333; Gf36; AN205; RWB34; WRA343
v.cobrensis N.GERLOFF 1990 **HU80** - FS625; Gf776
f.daenikerianus (KRAINZ 1945) KRAINZ 1961 FS100; Gf40,540; WRA341
 (v.elachisanthus n.n.) -> elachisanthus
 (f.erythrinus n.n.) -> scopa v.cobrensis
 RPS: erythrinus Havlicek 1988 nom.inval.
 (f.fricii n.n. - ex Janousek 1982) -> nom.dub. OP
v.fuscispinus n.n. PR359
f.glauserianus (KRAINZ 1945) KRAINZ 1961
 (v.glomeratus n.n. PR356) -> glomeratus
v.intermedia n.n. PR229
 (v.longispinus n.n. FS191) -> rudibuenekeri
v.machadoensis ABRAHAM 1988 **WRA361** - AH378; FS244; Gf57,383; HU184
v.maior n.n. DV73/c
 (v.major n.n. KRZ457) -> floricomus v.spinosissimus OP
v.marchesii ABRAHAM 1989 **WRA34** - DV73/d; WRA37
v.muriellii n.n. DV73/e; PR718; WRA304
f.prolifer n.n. HU-material
v.ramosus (OSTEN 1941) BACKEBERG 1959 ?? DV73/b; KPR52/S178; R358
 (v.ramosus f.albus n.n.) -> nom.dub. OP
v.ruberrimus n.n. KZ592
v.rubrispinus n.n. PR80
 (v.splendens n.n.) -> tabularis v.splendens OP
 (v.sucineus n.n.) -> sucineus OP
v.xicoi ABRAHAM 1988 **WRA332** - FS310,860; Gf63; LB808; RWB293
v.xiphacanthus ABRAHAM 1987 **WRA156** - WRA381
 (PA scopa / (SPRENGEL 1825) R ex BACKEBERG 1959/ N.P.TAYLOR 1987) -> scopa
 (PA scopa ssp.marchesii / ABRAHAM 1989/ HOFACKER 1998) -> scopa v.marchesii
 (PA scopa ssp.neobuenekeri / F.RITTER 1979/ HOFACKER 1998) -> neobuenekeri
 (PA scopa ssp.succinea / F.RITTER 1970/ HOFACKER & P.J.BRAUN 1998) -> succineus
 (PE scopa DOWELD 1999) -> scopa
 (NO/sc scopa, nach DOWELD 2000) -> scopa
 (NO/sc scopa ssp.scopa, nach DOWELD 2000) -> scopa
 (PE scopa ssp.marchesii DOWELD 1999) -> scopa v.marchesii
 (NO/sc scopa ssp.marchesii / ABRAHAM 1989/ DOWELD 2000) -> scopa v.marchesii
 (PE scopa ssp.neobuenekeri DOWELD 1999) -> neobuenekeri
 (NO/sc scopa ssp.neobuenekeri / F.RITTER 1979/ DOWELD 2000) -> neobuenekeri
 (PE scopa ssp.succineus DOWELD 1999) -> succineus
 (NO/sc scopa ssp.succineus / F.RITTER 1970/ DOWELD 2000) -> succineus
 (GC securituberculatus F.RITTER 1979 FR1377a; Gf120; HU181; WRA394,399; RWB107;
 PR219,891) -> oxycostatus f.securituberculatus
 (v.miniatispinus F.RITTER 1979 - FR1375; Gf119,120; MGH173; PR302) -> oxycostatus
 f.miniatispinus
 (v.ritteri n.n. - Theunissen) -> oxycostatus f.securituberculatus
 (v.tenuicylindricus n.n. FR1361) -> minimus v.tenuicylindricus OP
 MC **sellowii** (LINK & OTTO 1827) THEUNISSEN 1981 FR1384 - AH47,103,108,109,112,116,
 127,131,149,171,189,358,375; FS219,301,348,594,627,675,677,679,688,689,696,697,
 704,738,814; Gf44,103,150,152,158,164,216,239,292,306,310,322,329,368,372,403,411,
 412,490,501,508,539,544,552,614,619,623,725,733,740,751,757,783,819,823,844,884,927,
 967,983; WG39,106,138,145,156,163,178,222,228,271; H3,6,23,33,34,77,97;

HU2/65,2a,2b,1015,1052,1057,1113,1207,1306,1307,1324,1340,1357,1404,1406,1417;
 MGH52,122,155,175,233;PR277; JP592,594,595,680a,N4,715,N14,N25,N32,762,767;
 RWB305;WRA26,38,54a,70,171,192,197,198,218,238,292,296,350,374,422,428,
 442,543; KH424,432,438a,439,446a,598,612,617,634,640,654,649,673; (KRZ17)
 Var./form: WRA294,335,433,448; RWB146,165; Gf67,83,1003,1007; PR683,692;
 HU675,810,1216,1344,1369; AH10; HR66
 (sellowii Gf58) -> sellowii v.courantii
 (sellowii Gf69,77) -> sellowii f.macrocanthus
 v.beltranii (FRIC 1922) NEDUCHAL 1999
 v.bezrucii (FRIC 1922) NEDUCHAL 1999
 f.centrispinus (FRIC 1922) NEDUCHAL 1999
 f.cornig(er) (FRIC 1922) NEDUCHAL 1999
 v.courantii (LEMAIRE 1837) N.GERLOFF 1993 FR1427 - AH17,19,21,55; FS169,317,523,
 682,709,737,741,746,878,880; Gf58,60,206,340,341,437,605,608,687,NN,1001;
 WG40,121,255; H55,61; HR61; HU286,1062,1215,1312,1437,1443; LB890;
 MGH20,22,24,60; JP596,598; WRA352
 (v.courantii AH116) -> sellowii



N.maldonadensis n.n. DV11/68

141

f.fricii (ARECHAVALETA 1905) N.GERLOFF 1995 KZ135
 f.gladius n.n. HR71
 f.leucocarpus (ARECHAVALETA 1905) N.GERLOFF 1995
 (v.macrocanthus F.RITTER 1979 - FR1384a) -> sellowii f.macrocanthus
 (f.macrocanthus n.n. PR276) -> sellowii f.macrocanthus
 f.macrocanthus (ARECHAVALETA 1905) N.GERLOFF 1993 FR1384a - DV28,29/a;
 FS69,124; Gf69,77,80,192,300; HR82,82b,82c,82e; HU818; AH8; KZ154; PR276,278;
 R369; S202; WRA208,211,450; MGH11
 (f.macrocanthus AH8) -> sellowii f.
 f.macrogonus (ARECHAVALETA 1905) HAVLICEK 1994
 (f.martinii n.n.) -> sessiliflorus v.martinii OP
 f.pauciareolatus (ARECHAVALETA 1905) N.GERLOFF 1993 AH191; DV38; FS496; Gf73;
 H54,60,73; MGH13; JPN16; HU1272,1436,1442,1456; WRA140
 (f.pauciareolatus AH10) -> sellowii f.
 f.rubricostatus (FRIC ex FLEISCHER et SCHUETZ 1976) N.GERLOFF 1995 PR111,279;
 (KRZ16)
 (v.tephracanthus n.n. FR1384; HU2) -> sellowii f.tephracanthus
 f.tephracanthus (LINK & OTTO 1827) NEDUCHAL 1999
 (v.tephracanthus n.n. HU286) -> sellowii f.courantii
 (f.tetracanthus n.n. AH8) -> sellowii f.macrocanthus
 (PA sellowii / (LINK & OTTO 1827) THEUNISSEN 1981/ D.R.HUNT 1997 -> sellowii
 (WI tephracantha / LINK & OTTO 1827/ D.M.PORTER 1964, nach DOWELD 2000) -> sellowii
 f.tephracanthus

- MC **sessiliflorus** (HOOKER 1837) KRAINZ 1966 DV30,30/7; GN90-279,-280,-284,-288,-289,-922,-935,-949,-957,-966,91-428,-429,-1390,93-753a,-756,-758a,-2219; KZ136; P92,92a; JPN39; STO425a,810,843,844,1498
 Var./form: DV30/1,30/2,30/3
 v.debilacanthus n.n. DV30/a
 v.**martinii** (LABOURET & RUEMLER 1889) KRAINZ 1966
 v.pauciareolatus n.n. HU293
 v.**stegmannii** (BACKEBERG 1959) HAVLICEK 1994
 (v.tetracanthus n.n. HU289a) -> sessiliflorus f.tetracanthus
 f.**tetracanthus** (LEMAIRE 1838) NEDUCHAL 1999 JP614,713
 f.**vorwerckianus** (WERDERMANN 1931) NEDUCHAL 1999
- (GC seticeps n.n. DV8=DV109; R347) -> agnetae
 (seticeps DV8/a) -> agnetae v.aureispinus
 (seticeps DV8/b) -> agnetae v.minor
- (GC setispinus n.n. - Fa. Uhlig) -> tabularis f. OP
- GC/SC **soldtianus** VAN VLIET 1975 **DV82** - LB867; PR694; R363; WRA56
 (soldtianus AH199; WRA300) -> scopa f.
- (GC spagazzinii n.n.) -> arechavaletae
 (GC spec. "Melo" - KPR61/S209) -> blaauwianus
 (GC spec. "Tolomban" - KPR59/S206) -> tabularis v.elegans
- U1 **spinibarbis** F.RITTER 1979 **FR1379b** - HU800; FR1465; PR230b; RWB168; WRA190,451
 CCI4: Parodia nothorauschi D.HUNT 1997
- (NE spinosissimus n.n. + DV102) -> floricomus v.spinosissimus OP
 (MC stegmannii n.n. - BACKEBERG 1937) -> sessiliflorus v.stegmannii
 (GC stenogonus n.n.) -> ottonis v.schuldtii
- GC/MI **stockingeri** PRESTLE 1985 **FS141** - FS779,956; Gf133,422,465; WG197; HU1139; LB594; MGH109; WRA508,512
 Var./form: PR543,566; HU476
 (stockingeri v.PR542) -> arabuta
 f.durispinus n.n. FS141a
 (v.rengglianus n.n. HU476) -> stockingeri v.
- (PA stockingeri /PRESTLE 1985/ HOFACKER & P.J.BRAUN 1998) -> stockingeri
 (PE stockingeri DOWELD 1999) -> stockingeri
 (NO/no stockingeri, nach DOWELD 2000) -> stockingeri
 (GC subgibbus n.n. - Theunissen) -> crassigibbus v./f. OP
 (NE submammilatus n.n. L502) -> submammulosus ssp.minor
- NE/MA **submammulosus** (LEMAIRE 1839) BERGER ex BACKEBERG 1959 AA107; DV17; H193; FR4; FS367; HR64; HU285,1213,1220,1587; LB271,278,282,303,333,336,355,361,366,369,370,978,998,1016,1064,1114,1129,1211,1215,1358; GN88; GN88-22,-27,-30,-32,-79,-81,-83,-84a,-85c,-102,-106b,-106d,-113,-113a,-122,-123,89-139,-143,-144,-162,-164,-165,-166,-169,-175,-176,-308,90-213,-214,-215,-216,-223,-224,-225,-226,-229,-231,-233,-240a,-243,-244,-253,-257,-258,-258a,-265,-266,-150,-270,-272,-273,-279,-280,-281,-284,-285,-286,-288,-661,-840,-925,-954,-968a,91-320,-321,-327,-328,-329,-330,-336,-342,-345,-358,-363,-364,-366,-374,-380,-381,-382,-384,-383,-393a,-394,-426,-429,-1386,93-513,-517,-521,-523,-525a,-526,-528,-530,-530a,-531,-532,-540a,-541,-753,-755,-758a,-759,-771,-774,-775,-779,-780,-781,-786a,-787,-1691,-2214; P3,3b,3c,190; PR424,725a; R344; S183; STO115,116,218,222,224,228,229,284,288,289,292,294,339,340,354,390,392,393,399,400,406,408,409,410,412,415,417,425,473,478,484,486,487,489,491,524,530,534,536,543,545,549,561,643,645,653,654,657,662,671,674,682,687,701,811,812,828,832,843,844,857,871,874,877,888,889,1026-1029,1032,1039,1109,1111,1140,1158,1167,1203,1204,1204a,1205,1239,1366,1367,1375,1378,1440,1561; WRA84,144,250,270,494; JP719,N8
 Var./form: WRA482,483; RWB212,235; KZ141,148; GN93-2146,93-2147; P3a; PR76; FR425
 (submammulosus AH185) -> mammulosus v.
 (v.charruanus n.n. PR76) -> submammulosus f.
 v.longispinus n.n. FRIC -> tuerecekianus ? OP
 ssp.**minor** (R.KIESLING 1995) ABRAHAM 1995 **STO270**,271,372,472;
 GN93-0735,-2146,-2147
 (v.sanjosensis n.n. S183) -> submammulosus
 v.**pampeanus** (SPEGAZZINI 1896) BERGER ex BACKEBERG 1959 DV74/a2,74/a3,74/a4;
 HU290; R105; (KRZ464)
 (f.cordobensis n.n. - Prestle) -> OP

- (v.rubellianus - Y. ITO) -> submammulosus v.pampeanus
 (v.subplanus - Y. ITO) -> submammulosus v.pampeanus
 (f.tunuayensis n.n. - Schlosser) -> OP
 (PA submammulosa / (LEMAIRE 1839) BERGER ex BACKEBERG 1959/ R.KIESLING
 1995) -> submammulosus
 (PA submammulosa ssp.minor KIESLING 1995) -> submammulosus ssp.minor



N.curtinensis n.n. DV29/b/68

198

- GC/SC **succineus** F.RITTER 1970 **FR1399** - AH115,119; FS745,887,888; Gf337,1002;
 WG221; HU1315; LB889; PR364; RWB123;
 Var./form: LB895; FS258; Gf338; HU26; PR365; WRA351
 v.albispinus n.n. AH118; DV113; HU26a; LB893
 (v.albus n.n. DV113) -> succineus v.albispinus
 (v.aureispinus n.n. PR229) -> scopa v.intermedia
 (v.caespitosus n.n. - Theunissen) -> OP
 (v.flavispinus n.n.) -> succineus OP
 (v.sulphureus n.n. - Fa.Uhlig) -> succineus
 (PA succinea / F.RITTER 1970/ N.P.TAYLOR 1987) -> succineus
 (GC succineus n.n. - ex Neduchal 1981) -> nom.dub.
 (GC sulphureus n.n. - Fa. Uhlig) -> succineus
 (GC supertextus n.n. - Fa. Uhlig) -> megapotamicus v.horstii
 GC/CO **tabularis** (CELS ex K.SCHUMANN 1886) BERGER ex BACKEBERG 1959
 DV10,10/4; FS662; HR112; HU292; R342; WRA3,12,314; TI444; (KRZ481)
 Var./form: DV10/a
 (tabularis KPR59/S206) -> tabularis v.elegans
 (tabularis FS427) -> tabularis f.splendens
 f.boomelianus PRAUSER 1990 nom.inv.
 v.elegans n.n. KPR59/S206; S207
 (v.major n.n. KPR59/S206) -> tabularis v.elegans
 (v.nigrispinus n.n.) -> nom.dub. OP
 (f.setispinus n.n. - Fa. Uhlig) -> OP
 f.setispinus PRAUSER 1990 nom.inv.
 f.splendens PRAUSER 1990 nom.inv. FS156,427,432
 v.tolomban PRAUSER 1990 nom.inv.
 (v.velenovskiy n.n.) -> nom.dub. OP
 (PA tabularis / (CELS ex K.SCHUMANN 1886) BERGER ex BACKEBERG 1959/D.R.HUNT 1997) ->
 tabularis
 (PA tabularis ssp.bommeljei / VAN VLIET 1968/ HOFACKER 1998) -> bommeljei
 (PE tabularis DOWELD 1999) -> tabularis
 (NO/sc tabularis, nach DOWELD 2000) -> tabularis
 (NO/sc tabularis ssp.tabularis, nach DOWELD 2000) -> tabularis

- (PE *tabularis* ssp.*muricatus* DOWELD 1999) -> *muricatus*
 (NO/sc *tabularis* ssp.*muricatus* /DOWELD 1999/ DOWELD 2000) -> *muricatus*
 (GC *tenebrosus* n.n. - Theunissen) -> *linkii* f. OP
 (GC *tenuicylindricus* F.RITTER 1970) -> *minimus* v.*tenuicylindricus*
 (*tenuicylindricus* v.*atypicus* n.n. PR251b) -> *minimus* v.*tenuicyl.* f.*atypicus*
 (*tenuicylindricus* v.*caveraensis* n.n. PR251) -> *minimus* v.*tenuicyl.* f.*caveraensis*
 (*tenuicylindricus* v.*major* n.n. FS45; PR250) -> *minimus* v.*tenuicyl.* f.*maior*
 (PA *tenuicylindrica* /F.RITTER 1970/ D.R.HUNT 1997) -> OP
 (GC *tenuispinus* LINK & OTTO 1827 - PR332) -> *ottonis*
 GC/OT *tenuispinus* n.n. WG22,69,102,112,122,129,134,136,147,181,182,220,225,269
 (*tenuispinus* v.PR378) -> *ottonis* v.
 (MC *tephracanthus* /LINK & OTTO 1827/ KRAINZ 1966 (HU2/65,70,286)
 (v.*courantii* /SALM-DYCK 1848/ BACKEBERG 1959 - FR1427) -> *sellowii* v.*courantii*
 (v.*depressus* /SPEGAZZINI 1905/ STUCHLIK 1993) -> *sellowii* f.*tephracanthus*
 (v.*macrocanthus* n.n.) -> *sellowii* f.*macrocanthus* OP



N.theunissenianus n.n. DV146

Gerloff 188

- (MC *tetracanthus* n.n. ex LEMAIRE 1838 H40,43; HU289a,1423,1426;(KRZ18); PR733) ->
 sessiliflorus f.*tetracanthus*
 Var./form: PR724
 RPS: *tetracanthus* Gerloff et al. 1995 nom.inval.
 (v.*macrocanthus* n.n. PR113) -> *gladius*
 MC *theunissenianus* n.n. DV146
 (GC *tortuosus* LINK & OTTO 1830 - KPR45/S170) -> *ottonis* v.*tortuosus*
 MC *tricornis* n.n. PR112
 MC **turbinatus** (ARECHAVALETA 1905) KRAINZ 1966 AH168; AN246,389; JP617;
 Gf713,732,737; H53,63; HU1354,1435,1445; KH533PR696,851; WRA35,142,299;
 KH780,795,806,945
 Var./form: PR847
 f.**schaeferianus** (LEMAIRE 1838) NEDUCHAL 1999 WRA163 - AN383; H66; HR65; HU1449;
 WRA162; KH422; KH954,965
 (PA *turbinata* /(ARECHAVALETA 1905) KRAINZ 1966/ HOFACKER 1998) -> *turbinatus*
 (WI *turbinata* /ARECHAVALETA 1905/ D.M.PORTER 1964, nach DOWELD 2000) -> *turbinatus*
 NE/MA **turecekianus** (R.KIESLING 1995) ABRAHAM 1995 **P398**; STO1503; JP616
 (PA *turecekiana* R.KIESLING 1995) -> *turecekianus*
 GC/UE **uebelmannianus** BUINING 1968 AH40,79,86,90,94; DV116; FS193;Gf172,348,351; WG123,
 127,132,166,166a,283; HU78; LB916,925,928; MGH45,135,139,147; RWB36
 Var./form: RWB57; PR520,959
 (*uebelmannianus* Gf12) -> *arachnitis* v.*minor*
 (*uebelmannianus* Gf31) -> *arachnitis*
 (*uebelmannianus* f.WRA368) -> *uebelmannianus* v.*pleiocephalus*
 (*uebelmannianus* f.WRA368a) -> *uebelmann.* v.*pleiocephalus* f.*gilviflorus*
 (*uebelmannianus* v.FS94) -> *arachnitis*

- f.**flaviflorus** BUINING 1968 HU81 - AH40a; WG123a,127a,132a; LB919
 f.flaviflorus N.GERLOFF & G.KOENIGS 1992 nom.illeg.
 (f.flaviflorus FS94) -> arachnitis
 (v.minor n.n. - ex Janousek 1982) -> OP
 v.**nilsonii** G.KOENIGS 1992 **FS137** - FS619; AN57; Gf25,554; MGH185
 v.**pleiocephalus** N.GERLOFF & G.KOENIGS 1992 **FS243** - Gf52a,380;
 WG232a; PR336; WRA368
 f.**gilviflorus** N.GERLOFF & G.KOENIGS 1993 **Gf52b** - WG232a; WRA368a
 (RI uebelmannianus DOWELD 1999) -> uebelmannianus
 (RI uebelmannianus /BUINING 1968/ DOWELD 2000) -> uebelmannianus
 (RI uebelmannianus ssp.uebelmannianus, nach DOWELD 2000) -> uebelmannianus
 (RI uebelmannianus ssp.pleiocephalus DOWELD 1999) -> uebelmannianus v.pleiocephalus
 (RI uebelmannianus ssp.pleiocephalus /N.GERLOFF & KOENIGS 1992/ DOWELD 2000) ->
 uebelmannianus v.pleiocephalus
 (GC uruguayus n.n. - non uruguayensis) -> ottonis v.uruguayensis
 NO **warasii** (F.RITTER 1973) HEWITT & DONALD 1974 FR1400 - AH388; Gf988;
 H110; HU426,1489; MGH181; RWB25; WRA570
 (PA warasi /RITTER/ BRANDT 1982) -> warasii
 (EC/ec warasii , nach DOWELD 2000) -> warasii



N.neuebelmannianus n.n.

212

- GC/WE **werdermannianus** HERTER 1942 DV19; HU365; R376a; S189
 Var./form: KZ137; DV19/2-19/4
 f.albispinus n.n. S194
 v.brunispinu/bruneispinus n.n. KPR54/S192
 v.caespitosus n.n. KPR55/S193
 v.concinnoides n.n. PR126
 f.granidflorus n.n. S190
 v.liliputanus n.n. PR125
 f.miniflorus n.n. S191
 (v.ruficeps n.n. S211) -> ferrugineus
 (v.scopularioides n.n.) -> OP
 (v.vanvlietii n.n. PR125) -> werdermannianus v.liliputanus
 (PA werdermanniana /HERTER 1942/ N.P.TAYLOR 1987) -> werdermannianus
 (PA wernerii HOFACKER 1998 nom.nov.) -> uebelmannianus
 (PA wernerii ssp.pleiocephala /N.GERLOFF & G.KOENIGS 1992/ HOFACKER 1998
 -> uebelmannianus v.pleiocephalus
 (PE werdermannianus DOWELD 1999) -> werdermannianus
 (WI eerdermanniana /HERTER 1942/ DOWELD 2000) -> werdermannianuas
 NE/MM **winkleri** VAN VLIET 1975 **DV33** - DV35a; R371c; S160
 GC/WE **vanvlietii** RAUSCH 1970 **R376** - DV18; HU97,368
 Var./form: DV18/2-18/6
 v.antonianus n.n. DV18/b

- v.**gracilis** RAUSCH 1970 **R375** - DV18a
 (v.gracilispinus n.n. DV18/a) -> vanvlietii v.gracilis
 (v.rubrispinus n.n. R376a) -> werdermannianus
 (GC vargasensis n.n. HU37) -> ottonis v.
 NE/MM **veenianus** VAN VLIET 1974 **DV40** - DV40/7; R371a
 (NE velenovskyi n.n. BORG 1951 ?? - KRZ467; R345) -> euvelenovskyi
 (GC vencluvianuas/vencluianus n.n.) -> ottonis cv.Venclu
 (GC verbeekianus n.n. - Theunissen) -> OP
 (GC vermelhensis n.n. DV132) -> megapotamicus v.flavispinus
 GC/OT vilanovaensis n.n. Gf981
 (GC villaserranus n.n. KPR56/S195) -> agnetae
 (GC villa-velhensis SLABA 1984) -> carambeiensis v.villa-velhensis
 (v.carambeiensis n.n.) -> carambeiensis
 MC viridiflavus n.n. PR119
 Var./form: PR119a
 (MC vorwerkianus /WERDERMANN 1931/ KRAINZ 1966 (KRZ20) -> sessiliflorus
 f.vorwerkianus
 (NE yacarensis/ycarensis n.n. S150) -> roseiflorus
 (NE zonalis n.n. S160) -> winkleri